RESULTS

OF

OBSERVATIONS OF THE FIXED STARS

MADE WITH THE

MERIDIAN CIRCLE

AT THE

GOVERNMENT OBSERVATORY, MADRAS,

IN THE YEARS

1865, 1866 AND 1867,

UNDER THE DIRECTION OF

NORMAN ROBERT POGSON,

C.I.E., F.R.A.S., & F.M.U.

GOVERNMENT ASTRONOMER AT MADRAS.

PUBLISHED BY ORDER OF THE GOVERNMENT OF MADRAS.

MADRAS.

PRINTED AT THE LAWRENCE ASYLUM PRESS, BY G. W. TAYLOR,

1888.

Instrumental Corrections adopted in 1865.

Date.	Index.	Run in 5′	Clock Rate.	Inlination.	Collimation.	Meridian.	Determining Stars.
	″	″	s	s	s	s	
Dec. 18	+ 6·2	+ 0·2	+ 0·21	− 0·03	+ 0·05	+ 0·11	
19	+ 5·4	+ 0·2	+ 0·21	− 0·03	+ 0·05	+ 0·11	
20	+ 6·2	+ 0·2	+ 0·27	− 0·01	+ 0·07	+ 0·12	
21	+ 5·9	+ 0·2	+ 0·33	− 0·07	+ 0·02	+ 0·12	33, 34 and 116 R. P. L.
22	+ 5·8	+ 0·2	+ 0·32	− 0·04	+ 0·03	+ 0·12	
25	+ 5·2	+ 0·2	+ 0·27	− 0·02	+ 0·04	+ 0·12	
28	+ 4·6	+ 0·2	+ 0·28	+ 0·04	+ 0·02	+ 0·12	
30	+ 3·7	0·0	+ 0·31	− 0·01	+ 0·01	+ 0 13	

Instrumental Corrections adopted in 1866.

Date.	Index.	Run in 5′	Clock Rate.	Inclination.	Collimation.	Meridian.	Determining Stars.
	″	″	s	s	s	s	
Jan. 3	+ 3·3	− 0·1	+ 0·37	+ 0·02	+ 0·02	+ 0·08	
4	+ 3·0	− 0·1	+ 0·35	− 0·01	− 0·01	+ 0·07	
5	+ 2·5	− 0·1	+ 0·29	+ 0·01	0·00	+ 0·07	51 Cephei and ε Urs. Min.
6	+ 2·5	− 0·1	+ 0·26	+ 0·04	+ 0·03	+ 0·08	
8	+ 2·4	− 0·1	+ 0·23	+ 0·05	+ 0·02	+ 0·10	
10	+ 1·8	− 0·1	+ 0·19	+ 0·06	+ 0·04	+ 0·12	
11	+ 1·0	− 0·1	+ 0·17	+ 0·05	+ 0·03	+ 0·14	
12	+ 0·8	− 0·1	+ 0·18	+ 0·01	0·00	+ 0·15	
13	+ 1·9	− 0·1	+ 0·23	− 0·01	+ 0·03	+ 0·16	
15	+ 0·9	− 0·1	+ 0·12	+ 0·07	+ 0·04	+ 0·18	51 Cephei and ε Urs. Min.
16	+ 2·0	− 0·1	+ 0·24	+ 0·07	+ 0·06	+ 0·17	
17	+ 1·5	− 0·1	+ 0·30	+ 0·02	+ 0·06	+ 0·16	
18	+ 1·0	− 0·1	+ 0·24	+ 0·05	+ 0·06	+ 0·15	
19	+ 0·5	− 0·1	+ 0·37	+ 0·04	+ 0·05	+ 0·14	
20	+ 1·0	− 0·1	+ 0·39	+ 0·03	+ 0·04	+ 0·13	
22	+ 0·6	− 0·1	+ 0·34	+ 0·06	+ 0·06	+ 0·11	51 Cephei and ε Urs. Min.
23	+ 1·1	− 0·1	+ 0·35	+ 0·03	+ 0·04	+ 0·11	
24	+ 0·9	− 0·1	+ 0·37	+ 0·07	+ 0·06	+ 0·12	
25	+ 0·7	− 0·1	+ 0·40	+ 0·02	+ 0·02	+ 0·12	45 R. P. L. and λ Urs. Min.
26	+ 0·3	− 0·1	+ 0·35	+ 0·03	+ 0·04	+ 0·12	
27	+ 0·8	− 0·1	+ 0·31	+ 0·03	+ 0·01	+ 0·11	
29	+ 0·8	− 0·1	+ 0·32	+ 0·04	+ 0·07	+ 0·11	
30	+ 1·2	− 0·1	+ 0·32	+ 0·08	+ 0·03	+ 0·10	
31	+ 0·9	− 0·1	+ 0·28	+ 0·06	+ 0·04	+ 0·10	
Feb. 1	+ 0·3 + 1·4 + 1·9	− 0·1	+ 0·25	+ 0·10 + 0·13 + 0·17	+ 0·06 + 0·05 + 0·02	+ 0 10	
2	+ 1·8	− 0·1	+ 0·38	+ 0·16	+ 0·02	+ 0·09	
3	+ 0·2	− 0·1	+ 0·41	+ 0·16	+ 0·02	+ 0·09	43 R. P. L. and δ Urs. Min.
5	+ 0·0	− 0·1	+ 0·16	+ 0·15	+ 0·02	+ 0·08	
6	+ 1·0	− 0·1	+ 0·29	+ 0·20	+ 0·01	+ 0·07	
7	+ 0·6	− 0·1	+ 0·32	+ 0·13	− 0·02	+ 0·07	
8	+ 0·6	− 0·1	+ 0·22	+ 0·22	+ 0·04	+ 0·06	
9	− 2·3	− 0·1	+ 0·30	+ 0·18	+ 0·02	+ 0·06	
10	− 1·5	− 0·1	+ 0·27	+ 0·22	+ 0·02	+ 0·05	51 Cephei and δ Urs. Min.
12	− 4·3	− 0·1	+ 0·25	+ 0·23	+ 0·01	+ 0·07	

Feb. 1.—The index, inclination and collimation corrections by three observers; R., P. and M.
Feb. 8.—The collimator rooms under repair and being painted inside.
Feb. 9.—The microscopes cleaned and the index error adjusted

Corrections to the Nautical Almanac Stars as given by the Madras Mean Positions.

Star.	Approximate Place 1866.		1865.			1866.			1867.		
			Obs.	R. A.	P. D.	Obs.	R. A.	P. D.	Obs.	R. A.	P. D.
	h *m*	° ′		*s*	″		*s*	″		*s*	″
α Argûs (*Canopus*) ...	6 21	142 37	1	− 0·02	+ 0·7	1	+ 0·10	+ 0·6	2	− 0·02	0·0
γ Geminorum ...	6 30	73 29	5	0·00	+ 2·9	11	− 0·02	+ 2·7	6	+ 0·01	+ 1·2
51 (Hev.) Cephei ...	6 37	2 45	7	− 0·19	− 1·1	6	− 0·04	0·0	10	0·00	− 0·2
α Canis Maj. (*Sirius*) .	6 39	106 32	2	− 0·28	+ 0·2	1	− 0·36	0·0	2	− 0·29	− 0·1
ε Canis Majoris ...	6 53	118 48	6	− 0·01	− 0·1	9	+ 0·05	− 0·6	4	− 0·06	− 0·2
γ Canis Majoris ...	6 58	105 26	10	0·00	+ 1·1	8	− 0·01	+ 0·7	5	− 0·07	+ 0·8
δ Geminorum ...	7 12	67 46	11	− 0·06	+ 1·4	11	− 0·03	+ 1·7	14	− 0·03	+ 0·9
α² Geminorum (*Castor*)	7 26	57 49	6	− 0·06	+ 1·0	6	− 0·04	+ 1·8	12	0·00	+ 1·1
α Can. Min. (*Procyon*).	7 32	84 26	10	+ 0·08	+ 2·5	14	+ 0·01	+ 2·7	16	+ 0·03	+ 2·1
β Geminorum (*Pollux*)	7 37	61 39	9	+ 0·01	+ 1·3	16	+ 0·03	+ 1·9	11	− 0·01	+ 1·4
6 Cancri	7 55	61 50	8	− 0·06	+ 1·7	15	− 0·06	+ 2·8	3	− 0·08	+ 1·3
15 Argûs	8 2	113 55	6	+ 0·03	+ 0·8	11	+ 0·06	+ 1·4	10	+ 0·04	+ 1·1
η Cancri	8 25	69 6	10	0·00	+ 1·1	9	0·00	+ 1·6	10	+ 0·05	+ 1·2
ε Hydræ	8 40	83 6	17	− 0·03	+ 1·1	9	+ 0·01	+ 2·5	9	− 0·03	+ 1·1
ι Ursæ Majoris ...	8 50	41 26	2	− 0·03	− 0·3	1	+ 0·15	+ 1·3	...	.....	.....
83 Cancri	9 11	71 44	12	+ 0·11	+ 0·7	10	+ 0·07	+ 1·1	4	+ 0·09	+ 0·2
ι Argûs	9 14	148 43	2	+ 0·05	+ 4·5	2	+ 0·06	+ 6·4	1	+ 0·27	+ 4·8
α Hydræ	9 21	98 5	11	0·00	+ 0·9	14	+ 0·01	+ 0·7	7	− 0·01	+ 1·1
θ Ursæ Majoris ...	9 24	37 43	1	+ 0·11	+ 0·7	2	+ 0·01	+ 4·6	...	.....	.....
ε Leonis	9 38	65 37	12	+ 0·01	+ 1·4	9	− 0·05	+ 3·5	12	− 0·01	+ 1·6
π Leonis	9 53	81 19	13	− 0·01	+ 0·7	15	− 0 01	+ 1·1	14	0·00	+ 0·2
α Leonis (*Regulus*) ...	10 1	77 23	11	+ 0·01	+ 0·7	13	− 0·02	+ 1·3	12	− 0·01	+ 0·5
γ¹ Leonis	10 13	69 29	9	− 0·08	+ 1·5	5	− 0·01	+ 1·0	7	− 0·03	+ 1·0
ρ Leonis	10 26	80 0	14	− 0·04	+ 0·6	6	− 0·02	+ 0·3	12	0·00	+ 0·6
η Argûs	10 40	148 59	3	+ 0·09	+ 4·4	1	+ 0·09	+ 5·3	2	+ 0·02	+ 4·7
l Leonis	10 42	78 45	11	+ 0·02	+ 1·1	4	+ 0 05	+ 1·7	9	+ 0·05	+ 1·5
α Ursæ Majoris ...	10 55	27 32	4	− 0·11	− 1·1	1	− 0·02	− 1·6	1	+ 0·05	0·0
χ Leonis	10 58	81 56	7	− 0·03	+ 0·2	8	+ 0·01	+ 1·6	15	0·00	− 0·1
δ Leonis	11 7	68 45	5	− 0·05	+ 0·7	7	− 0·10	+ 1·5	12	− 0·02	+ 0·9
δ Crateris	11 13	104 3	6	+ 0·06	− 0·3	11	+ 0·05	− 0·5	13	+ 0·03	− 0·5
υ Leonis	11 30	90 5	7	− 0·03	+ 1·1	10	0·00	+ 2·0	19	− 0·04	+ 1·5
β Leonis	11 42	74 41	8	+ 0·05	+ 1·3	7	0·00	+ 2·5	17	+ 0·04	+ 0·7
γ Ursæ Majoris ...	11 47	35 34	1	+ 0·52	+ 0·9	1	+ 0·66	+ 0·6	...	.....	.....
ε Corvi ...	12 3	111 52	8	− 0·04	+ 1·0	11	+ 0·02	− 0·7	6	− 0·02	+ 1·4
η Virginis	12 13	89 55	13	+ 0·03	+ 1·7	7	0·00	+ 1·8	12	0·00	+ 1·7
α¹ Crucis	12 19	152 21	1	+ 0·34	+ 5·4	2	+ 0·60	+ 4·8	...	.....	.....

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension. 1865. h. m. s.	No. of Wires.	Mean Polar Distance 1865. ° ′ ″	Observer.
64		*Anon.*			
Oct. 7	9·0	1 38 35·54	4	152 2 36·6	M
65		*Lacaille* 516.			
Dec. 8	7·1	1 40 0·38	3	151 41 50·0	M
66		*Taylor* 590.			
Oct. 31	...	1 41 26·60	...	86 59 23·3	R
67		*Anon.*			
Nov. 17	9·3	1 41 59·38	6	130 14 57·3	R
28	9·2	41 59·49	...	14 55·5	R
68		~~*V Piscium Var. ?*~~			
Oct. 24	10·3	1 47 10·43	2	81 52 59·0	R
69		6 *Arietis* β			
Nov. 4	...	1 47 11·20	...	69 51 14·2	M
10	...	47 11·25	...	51 13·5	M
27	...	47 11·17	5	51 13·8	R
Dec. 5	...	47 11·23	...	51 13·1	M
7	...	47 11·25	2	51 13·5	M
12	...	47 11·18	...	51 12·6	M
14	...	47 11·25	...	51 13·2	M
25	...	47 11·15	..	51 14·5	R
70		*Lacaille* 582.			
Oct. 7	8·0	1 50 56·77	5	145 44 4·3	M
Nov. 28	7·0	50 56·84	5	44 3·5	R
Dec. 13	7·1	50 56·86	...	44 4·3	M
71		*Lacaille* 593.			
Oct. 27	8·2	1 52 4·49	...	149 7 55·1	R
Nov. 18	8·5	52 4·61	5	7 55·3	R
Dec. 9	7·9	52 4·82	5	7 55·2	M
72		*Anon.*			
Nov. 15	8·1	1 54 55·63	...	130 55 24·3	M
73		*Taylor* 673.			
Nov. 13	6·7	1 56 18·74	...	72 23 50·4	M
Dec. 8	6·4	56 18·51	...	23 49 3	M
14	6·2	56 18·58	...	23 50·3	M
74		*Anon.*			
Oct. 24	9·7	1 59 25·62	5	150 2 15·7	R
75		13 *Arietis* α			
Nov. 4	...	1 59 34·07	...	67 10 42·1	M
10	...	59 34·09	...	10 42·3	M
14	...	59 34·20	...	10 42·1	M
16	...	59 34·05	..	10 40·9	R
27	...	59 34·08	...	10 40·5	R
28	...	59 34·01	...	10 41·3	R
Dec. 5	...	59 33·93	...	10 41·0	M
12	...	59 34·08	...	10 40·1	M
13	...	59 34·09	...	10 39·7	M
25	...	59 34·11	4	10 41·1	R
30	...	59 34·09	...	10 39·8	R
76		*Lacaille* 630.			
Oct. 26	7·2	1 59 50·95	...	145 31 43·0	R
Nov. 11	6·8	59 50·82	...	31 43·2	M
18	6·7	59 50·85	...	31 43·3	R
77		*Anon.*			
Oct. 27	9·3	2 1 5·29	5	149 48 46·2	R
78		*Taylor* 697.			
Oct. 7	7·0	2 1 47·94	...	145 43 42·1	M
79		65 *Ceti* ξ^1			
Oct. 5	...	2 5 50·77	...	81 47 17·5	M
6	...	5 50·72	...	47 16·8	M
Nov. 29	...	5 50·86	...	47 17·5	R
30	...	5 50·80	..	47 17·9	M

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension. 1865. h. m. s.	No. of Wires.	Mean Polar Distance 1865. ° ′ ″	Observer.
280		*Anon.*			
Feb. 8	9·2	6 40 29·65	...	154 13 35·9	M
25	9·3	40 29·97	..	13 36·5	R
281		*Anon.*			
Mar. 7	9·1	6 40 32·85	5	151 58 54·8	M
282		*Anon.*			
Feb. 20	8·3	6 42 25·49	4	130 56 59·2	R
283		*Anon.*			
Jan. 25	8·7	6 42 39·04	5	130 36 25·3	R
Feb. 4	7·7	42 38·99	...	36 26·0	M
284		*Anon.*			
Feb. 20	9·2	6 42 39·06	4	130 58 8·6	R
285		*Anon.*			
Feb. 10	7·7	6 43 42·96	...	128 30 28·3	M
17	7·7	43 42·75	5	30 28·0	M
21	8·0	43 42·66	6	30 28·3	R
286		*Anon.*			
Feb. 21	9·3	6 44 51·34	4	128 30 31·8	R
287		*Anon.*			
Feb. 23	9·4	6 45 0·13	...	106 32 48·5	R
288		*α Pictoris.*			
Feb. 14	5·5	6 46 48·43	4	151 47 50·8	M
289		*Lacaille* 2516.			
Jan. 13	8·0	6 48 25·40	...	130 31 45·7	R
25	8·8	48 25·43	5	31 42·0	R
290		*Anon.*			
Feb. 25	9·0	6 48 30·94	5	128 48 28·5	R
291		*Anon.*			
Feb. 20	9·3	6 48 52·64	5	130 10 19·4	R
292		*Anon.*			
Feb. 25	9·0	6 48 56·41	4	128 46 7·2	R
293		*Lacaille* 2538.			
Jan. 21	8·0	6 51 20·28	...	114 47 39·1	R
Feb. 15	6·9	51 20·30	...	47 36·5	M
294		*Anon.*			
Mar. 1	9·9	6 52 47·90	...	152 54 26·2	M
295		21 *Canis Majoris* e			
Jan. 12	...	6 53 19·22	...	118 47 27·2	M
23	...	53 19·16	...	47 27·1	R
26	...	53 19·19	...	47 27·3	R
Feb. 4	...	53 19·27	...	47 26·6	M
8	...	53 19·30	...	47 26·0	M
16	...	53 19·26	...	47 26·5	R
296		*Anon.*			
Feb. 22	8·0	6 55 37·35	5	129 37 59·2	R
28	8·0	55 37·45	...	38 0·0	M
297		43 *Geminorum* 3^2 *Var.* 1.			
Jan. 11	...	6 56 6·07	...	69 14 7·5	M
298		*Anon.*			
Feb. 25	9·0	6 56 23·20	...	129 17 26·5	R
Mar. 9	8·9	56 23·18	5	17 26·0	M
299		23 *Canis Majoris* η			
Jan. 13	...	6 57 39·16	5	105 26 11·1	R
25	...	57 39·03	...	26 11·6	R
26	...	57 39·05	...	26 11·7	R
30	...	57 39·14	...	26 11·1	R
Feb. 4	...	57 38·93	...	26 10·7	M

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865. h. m. s.	No. of Wires.	Mean Polar Distance 1865. ° ′ ″	Observer.
473		*Anon.*			
Mar. 25	9·2	9 16 19·88	5	139 1 17·5	R
474		*Anon.*			
Mar. 1	9·2	9 17 35·89	5	75 5 44·6	M
21	9·7	17 36·08	4	5 42·0	R
27	9·7	17 35·89	4	5 41·7	R
475		*O. A. N.* 9881.			
Mar. 28	8·8	9 17 42·62	5	25 3 59·0	R
30	9·0	17 42·60	5	3 58·8	R
476		*Anon.*			
Jan. 14	7·8	9 19 32·37	...	75 6 46·1	M
477		*Anon.*			
Apl. 7	8·1	9 20 26·81	...	137 28 12·8	M
478		*Anon.*			
Feb. 9	9·0	9 20 52·11	...	158 38 29·1	M
Mar. 29	9·0	20 52·08	5	38 29·2	R
479		30 *Hydrae a Var.* 2.			
Feb. 13	...	9 20 57·18	...	98 4 31·9	M
20	...	20 57·17	...	4 31·5	R
Mar. 3	...	20 57·08	...	4 32·2	M
4	...	20 57·17	...	4 31·2	M
6	...	20 57·23	...	4 32·0	M
11	...	20 57·09	...	4 31·2	M
13	...	20 57·08	...	4 30·7	M
17	R	20 57·24	...	4 30·1	R
18	...	20 57·13	...	4 32·0	R
20	...	20 57·15	...	4 31·4	R
Apl. 5	...	20 57·22	...	4 31·8	M
480		*Lacaille* 3853.			
Apl. 4	8·0	9 22 34·35	...	131 59 32·3	M

Number and Date	Magnitude.	Mean Right Ascension 1865. h. m. s.	No of Wires.	Mean Polar Distance. 1865. ° ′ ″	Observer.
481		25 *Ursae Majoris θ*			
Mar. 22	...	9 23 48·66	...	37 42 35·1	R
482		*Anon.*			
Mar. 29	9·6	9 24 21·34	5	158 41 1·7	R
483		*Lacaille* 3886.			
Mar. 25	8·7	9 24 45·35	...	141 50 4·1	R
484		*Lacaille* 3887.			
Mar. 24	7·8	9 24 57·13	...	140 0 49·1	R
485		*Anon.*			
Mar. 27	9·0	9 26 44·09	...	145 2 41·4	R
486		*Anon.*			
Mar. 30	9·2	9 26 57·36	...	144 58 24·9	R
487		*Taylor* 4222.			
Mar. 7	8·0	9 27 46·79	5	146 23 36·6	M
Apl. 6	8·0	27 46·54	...	23 37·0	M
488		*Anon.*			
Feb. 27	9·0	9 28 1·00	...	128 46 9·4	R
489		*Taylor* 4226.			
Mar. 28	7·8	9 28 39·48	...	146 29 48·4	R
490		*Anon.*			
Apl. 7	9·4	9 29 34·64	5	146 33 51·7	M
491		10 *Leonis.*			
Feb. 9	5·5	9 30 4·96	2	82 33 38·5	M
10	5·5	30 4·78	...	33 39·3	M

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865. h. m. s.	No. of Wires.	Mean Polar Distance 1865. ° ′ ″	Observer.
653		*a*[1] *Crucis.*			
May 20	...	12 19 6·73	5	152 21 3·9	R
654		*Anon.*			
May 1	8·0	12 19 6·77	...	147 21 41·5	M
655		*Anon.*			
May 16	9·1	12 24 41·91	5	150 58 59·2	R
656		*Anon.*			
May 22	...	12 25 59·16	5	28 2 ~~141~~	R
657		9 *Corvi* β			
Mar. 31	R	12 27 17·98	...	112 38 58·6	R
Apl. 8	...	27 18·06	...	39 0·2	M
11	...	27 17·96	...	39 1·6	R
21	...	27 18·00	...	39 0·1	R
22	...	27 17·97	...	38 59·4	R
28	...	27 18·04	..	38 59·4	R
May 4	...	27 18·11	...	38 59·8	M
8	...	27 17·96	...	38 59·6	M
9	...	27 17·98	...	38 59·5	M
658		*Taylor* 5785.			
Apl. 7	7·9	12 27 50·02	...	150 59 46·4	M
May 16	7·5	27 49·90	5	59 46·5	R
659		*Anon.*			
Mar. 15	8·0	12 27 52·32	5	141 40 14·7	M
Apl. 12	8·4	27 52·43	...	40 16·4	M
660		*Anon.*			
May 18	9·2	12 27 52·77	...	140 55 52·7	R
661		*Anon.*			
May 25	9·2	12 31 54·98	...	84 30 52·8	R
662		*Anon.*			
May 23	...	12 32 52·57	...	143 7 43·3	R
663		*Anon.*			
Apl. 27	8·7	12 33 50·41	5	145 33 48·6	R
664		*Taylor* 5830.			
May 2	7·0	12 34 30·15	...	144 1 13·9	M
665		29 *Virginis* γ^1			
May 1	...	12 34 49·13	...	90 42 31·3	M
15	...	34 49·13	...	42 27·0	M
20	...	34 49·18	...	42 29·5	R
666		29 *Virginis* γ^2			
Apl. 22	...	12 34 49·23	5	90 42 34·0	R
667		28 *Virginis.*			
Apl. 10	...	12 34 58·92	...	96 45 27·8	M
668		*W. B. E. XII.* 592.			
May 9	8·0	12 36 4·31	3	93 18 9·0	M
10	8·0	36 4·43	...	18 8·3	M
669		*Anon.*			
Apl. 6	8·3	12 38 20·00	5	146 28 42·1	M
May 8	8·4	38 19·96	3	28 42·7	M
18	9·0	38 20·02	...	28 40·6	R
670		*Anon.*			
June 3	8·0	12 39 29·17	5	143 50 37·6	M
671		*Anon.*			
May 16	9·3	12 39 31·39	5	141 54 33·6	R

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865. h. m. s.	No. of Wires.	Mean Polar Distance 1865. ° ′ ″	Observer.
833		20 *Ophiuchi.*			
May 11	5·3	16 42 22·03	...	100 32 29·5	M
12	...	42 21·98	...	32 29·3	M
834		*Anon.*			
June 19	8·2	16 44 28·76	...	131 1 35·5	R
835		*Anon.*			
July 15	8·5	16 44 ~~41·36~~	4	130 18 ~~23·1~~	M
836		*Taylor* 7815.			
June 24	8·7	16 45 33·93	...	130 17 59·5	R
July 27	8·0	45 33·81	...	17 59·6	M
837		*Anon.*			
June 19	9·3	16 47 7·56	...	130 59 43·1	R
838		*Taylor* 7832.			
June 24	9·0	16 47 32·94	4	130 17 36·1	R
July 24	8·9	47 32·63	...	17 35·8	M
28	7·9	47 32·84	...	17 35·9	M
839		27 *Ophiuchi* κ.			
July 12	...	16 51 16·70	...	80 24 45·8	M
18	...	51 16·64	2	24 46·5	M
21	...	51 16·70	...	24 45·9	M
22	...	51 16·66	...	24 45·1	M
840		*Anon.*			
July 26	8·4	16 51 43·63	3	122 53 48·6	M
841		*Anon.*			
July 31	8·6	16 52 9·46	4	122 48 57·6	M
842		*O. A. S.* 16233.			
July 27	8·0	16 54 2·24	5	110 23 38·1	M
843		*Anon.*			
June 19	8·0	16 55 53·67	...	130 54 47·5	R
July 24	9.0	55 53·37	4	54 45·3	M
844		*O. A. S.* 16288.			
July 29	8·0	16 56 31·41	...	119 50 13·0	M
845		*Taylor* 7926.			
July 28	7·9	16 59 50·75	...	136 51 8·5	M
846		22 *Ursae Minoris* ε—*s.p.*			
Jan. 10	...	16 59 54·98	2	7 44 45·0	M
Feb. 8	...	59 55·72	5	44 49·0	M
847		35 *Ophiuchi* η			
May 11	...	17 2 38·62	...	105 33 17·0	M
848		*Lacaille* 7168.			
June 20	7·8	17 4 40·16	5	128 7 46·6	R
July 27	8·0	4 39·85	5	7 46·9	M
849		*Anon.*			
July 26	9·4	17 5 40·92	...	130 53 47·4	M
850		*Anon.*			
July 29	8·0	17 5 48·39	5	130 50 29·5	M
851		*Anon.*			
May 12	8·5	17 6 15·23	3	137 25 6·5	M
852		*Anon*			
June 19	...	17 7 12·00	5	130 42 36·4	R

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865. h. m. s.	No. of Wires.	Mean Polar Distance 1865. ° ′ ″	Observer.
1015		*Lacaille* 9226.			
Sep. 2	7·0	22 37 42·80	5	145 46 18·9	R
1016		*Anon.*			
Oct. 13	8·9	22 40 55·86	...	142 37 44·4	M
1017		*Anon.*			
Sep. 23	9·0	22 44 44·86	5	130 0 58·6	R
Oct. 3	8·0	44 45·15	...	0 58·4	M
4	8·0	44 45·04	...	0 59·2	M
1018		*Anon.*			
Oct. 11	9·6	23 44 47·73	...	145 32 43·8	M
16	9·6	44 47·71	...	32 44·5	R
1019		*Anon.*			
Sep. 25	9·0	22 44 54·19	4	148 34 13·9	R
1020		*Anon.*			
Oct. 13	9·0	22 49 16·76	...	135 27 35·6	M
1021		24 *Piscis Australis* α, *Fomalhaut.*			
Oct. 23	...	22 50 11·10	...	120 20 14·4	R
26	...	50 11·14	...	20 14·1	R
28	...	50 11·18	...	20 13·3	R
1022		*Anon.*			
Oct. 27	8·9	22 50 22·76	...	110 59 46·0	R
Nov. 8	7·3	50 22·82	...	59 44·3	M
1023		*Anon.*			
Sep. 23	9·5	22 51 29·75	5	151 32 57·9	R
Oct. 16	9·0	51 30·11	5	32 58·2	R
1024		*Lacaille* 9353.			
Oct. 8	6·5	22 56 39·82	...	144 41 17·7	M
9	6·6	56 39·75	...	41 18·4	M

Number and Date.	Magnitude.	Mean Right Ascension 1865. h. m. s.	No. of Wires.	Mean Polar Distance 1865. ° ′ ″	Observer.
1025		54 *Pegasi* α, *Markab.*			
Sep. 13	...	22 58 2·21	5	75 31 15·5	M
23	...	58 2·13	...	31 15·3	R
25	...	58 2·10	...	31 15·9	R
26	...	58 2·24	...	31 15·9	R
Oct. 11	...	58 2·15	...	31 15·2	M
12	...	58 2·33	...	31 14·6	M
14	...	58 2·38	...	31 14·7	M
18	...	58 2·22	...	31 14·6	R
23	...	58 2·18	...	31 14·4	R
24	...	58 2·29	...	31 15·0	R
26	...	58 2·14	...	31 15·8	R
31	...	58 2·29	...	31 16·4	R
1026		*Anon.*			
Oct. 13	8·9	22 59 24·02	...	150 21 47·5	M
Nov. 11	8·3	59 23·77	5	21 47·0	M
1027		*R Pegasi Var.* 2.			
Sep. 28	10·2	22 59 52·25	5	80 11 7·8	R
29	9·8	59 52·31	...	11 9·4	R
Oct. 16	10·5	59 52·12	5	11 7·8	R
1028		*Anon.*			
Sep. 23	9·7	23 4 21·80	4	130 48 59·1	R
Oct. 27	9·5	4 21·95	...	48 55·8	R
1029		*Lacaille* 9394.			
Oct. 9	8·0	23 5 13·56	...	145 50 21·0	M
Nov. 10	8·0	5 13·42	...	50 19·3	M
1030		*Lacaille* 9405.			
Oct. 14	8·0	23 7 30·05	5	150 25 46·5	M
23	8·0	7 30·15	...	25 45·2	R
1031		*Anon.*			
Nov. 13	8·8	23 8 11·74	4	150 30 59·3	M
1032		*Lacaille* 9423.			
Nov. 15	7·0	23 9 58·87	5	151 44 15·2	M

CONTENTS.

INTRODUCTION.

A brief history and description of the Madras Observatory and its appliances, from 1792 to the present time, was given in the volume of *Madras Meridian Circle Observations*, 1862, 1863, 1864. It is therefore sufficient on this occasion to state that the observations of fixed stars during the next three years, the results of which are contained in this volume, were made and reduced upon the same plan as those in the former publication. The only changes introduced are in the arrangement of the Separate Results for each year, which have been printed in double column to save space; and in the flexure correction, which was inadvertently applied twice its proper amount up to the end of the year 1864. In consequence of this oversight the Polar Distances in the last volume will require a small correction to make them comparable with those in the present and future volumes of *Madras Meridian Circle Observations*. The necessary corrections will be furnished with sufficient accuracy by the following table.

From P.D.	Corr.	From P.D.	Corr.	From P.D.	Corr.	From P.D.	Corr.
°	″	°	″	°	″	°	″
0	− 0·9	44	− 0·4	79	+ 0·1	117	+ 0·6
3	− 0·8	52	− 0·3	86	+ 0·2	126	+ 0·7
14	− 0·7	59	− 0·2	93	+ 0·3	137	+ 0·8
25	− 0·6	66	− 0·1	100	+ 0·4	150 & S.P.N.	+ 0·9
35	− 0·5	73	0·0	108	+ 0·5		

The flexure correction finally adopted is,

$$0''{\cdot}85 \times \sin \text{Zenith Distance}$$

additive to all Polar Distances under 77° and subtractive from those of greater amount as well as from all observations below pole.

The observations were made throughout the three years by the two chief assistants, C. Ragoonatha Charry and T. Moottoosawmy Pillay, and with occasional exceptions were satisfactory; but it is much to be regretted that the reductions were not completed until both had so deteriorated, mentally and physically, that it has been a labor of unforeseen extent to detect and correct their numerous errors of calculation. The revision of every kind of reduction has to be gone through by the Astronomer personally before publication can be safely ventured upon. With no European assistance and too inadequate a staff of natives even to admit of duplicate calcu-

lations, this is not so much a matter of surprise as of disappointment, present delay and too numerous errata. The experience of the two volumes now published will considerably aid the progress and accuracy of future ones, but the task is severe and it is to be hoped peculiar to the Madras Observatory.

The instrumental corrections used during the three years have been exhibited to give a general idea as to the stability of the Meridian Circle when in proper working order. Owing however to a most unaccountable occurrence, such was not the case between March and July 1866, when the index correction will be found subject to most capricious changes, and the inclination correction, though less affected, far from steady. This was very simply explained in July, by finding, what no one could have suspected, that the object glass was unscrewed about one-sixth of a revolution. No clue was obtainable as to who had done the mischief, nor even as to when it was perpetrated, beyond that there was no trace of such defect before February 28th of the same year. Some stranger, who knew too much and too little about instruments, must have tampered with the object glass to gratify idle curiosity, about the end of February, and not having screwed it securely home, left it subject to a tilt on passing the zenith or nadir, which caused a sudden change in the index correction, at first a little under 2″. The continual use of the instrument increased the looseness of the object glass, so that by the end of April the effect upon the index error had increased to about 5″ and by July it had nearly reached 8″. This was immediately rectified when the source of error was detected, on July 11th, and the usual stability of the instrument was at once restored. The foundations are however subject to a slow change, as the ground temperature or perhaps rather the dryness of the soil increases, from the cool season to the hot midsummer; and also to sudden disturbances after heavy rain, instances of which may be seen in the last three months of most years.

It would no doubt have been better to have rejected all the observations taken between March and July 11th and to have had them repeated in another year; but on finding that the observed nadir points always gave either fairly good or unmistakeably erroneous Polar Distances, to avoid such wholesale loss of work done, each observation taken during the time was compared with previous or subsequent determinations and the results accepted or rejected accordingly. Out of 1146 observations made during the time of uncertainty 258 were thus necessarily rejected. The misfortune was not however without a useful result, as it was this unexpected and

enforced examination which first realized the general trustlessness of the old native assistants' reductions and the absolute necessity of personal revision by the Astronomer. In the results already printed, these careless mistakes being unforeseen were unfortunately not detected until the separate results had been struck off, causing a most undesirable list of errata and in some cases even involving the reprinting of a few forms. It is hoped however that the scrupulous previous revision now adopted will obviate such annoyance and delay in the publication of the results of future years.

The persistence of the positive sign in the Polar Distance columns of the last table of *Corrections to the Nautical Almanac Stars as given by the Madras Mean Positions*, clearly indicates the necessity of an increase of the assumed latitude. It would appear that the value adopted by Mr. T. G. Taylor in the old Madras Catalogue for 1835, viz., 13° 4′ 9″·1, was nearer the truth than that preferred by his successor, Captain W. S. Jacob, which was 1″ smaller and has been used ever since. This will of course be discussed and allowed for before the final catalogue for 1875 is constructed, but cannot be safely decided at the present time.

The large differences in both R. A. and P. D. of the seven southern stars not observable in Europe, are due to the erroneous positions adopted in the Nautical Almanacs for the respective years; before the improved places furnished by the observations at the Cape Royal Observatory and at Melbourne were available, and when those of the old *British Association Catalogue* were still unavoidably taken. When the Madras Mean Positions of these stars are compared with the more modern values now used in the Nautical Almanac, reduced back to the required years, the corrections are pretty much the same as those for all the other stars in the list.

For α Centauri, the Nautical Almanac gives α^2 as being the principal star, whereas α^1 was the brighter first-magnitude member of the pair, and α^2, the companion, was 7″·5 north following 0ˢ·31 of α^1.

Besides the positions of fixed stars given in this volume, the Moon was also observed with the Meridian Circle on 176 nights, Mars on 33 at the opposition of 1867, and minor Planets on 209 occasions during the three years; but these are deferred until the Star Catalogue is completed, when a volume of planetary and cometary observations will it is hoped follow. My own judgment would have led me to publish this first and the star work afterwards.

Instrumental Corrections adopted in 1865.

Date.	Index.	Run in 5′	Clock Rate.	Inclination.	Collimation.	Meridian.	Determining Stars.
	″	″	s	s	s	s	
Jan. 4	+ 2·6	− 0·1	− 0·15	− 0·42	− 0·10	+ 0·09	
6	+ 2·1	− 0·1	− 0·01	− 0·36	− 0·05	+ 0·09	43 R. P. L. and γ^1 Eridani.
7	+ 1·6	− 0·1	+ 0·03	− 0·38	− 0·06	+ 0·08	
9	+ 2·1	− 0·1	− 0·01	− 0·37	− 0·06	+ 0·06	
10	+ 2·0	− 0·1	− 0·04	− 0·34	− 0·06	+ 0·05	35 R. P L. and ε Urs. Min.
11	+ 1·1	− 0·1	0·00	− 0·27	0·00	+ 0·05	
12	+ 1·3	− 0·1	+ 0·04	− 0·33	− 0·02	+ 0·05	
13	+ 1·1	− 0·1	+ 0·08	− 0·34	− 0·03	+ 0·05	
14	+ 0·9	− 0·1	+ 0·10	− 0·39	− 0·08	+ 0·04	
17	+ 0·7	+ 0·2	+ 0·17	− 0·30	+ 0·01	+ 0·04	51 Cephei and δ Urs. Min.
18	+ 1·2	+ 0·2	+ 0·12	− 0·33	− 0·04	+ 0·06	
19	+ 1·0	+ 0·2	− 0·05	− 0·33	− 0·01	+ 0·08	
20	+ 0·6	+ 0·2	− 0·01	− 0·33	0·00	+ 0·10	
21	+ 0·2	+ 0·2	+ 0·06	− 0·33	0·00	+ 0·12	51 Cephei and λ Urs. Min.
23	− 0·3	+ 0·2	+ 0·07	− 0·37	− 0·05	+ 0·10	
24	+ 0·1	+ 0·2	+ 0·07	− 0·33	− 0·02	+ 0·09	
25	− 0·1	+ 0·2	+ 0·07	− 0·36	− 0·06	+ 0·07	
26	+ 0·4	+ 0·2	+ 0·06	− 0·34	− 0·05	+ 0·06	
27	+ 0·5	+ 0·2	+ 0·11	− 0·32	− 0·03	+ 0·05	51 Cephei and δ Urs. Min.
28	− 0·6	− 0·1	+ 0·14	− 0·39	− 0·03	+ 0·03	
30	0·0	− 0·1	+ 0·11	− 0·36	− 0·08	− 0·01	
31	− 0·4	− 0·1	+ 0·09	− 0·41	− 0·09	− 0·02	
Feb. 2	− 0·5	− 0·3	+ 0·25	− 0·30	− 0·04	− 0·06	
3	− 0·8	− 0·3	+ 0·19	− 0·30	− 0·05	− 0·08	Pollux and δ Urs. Min.
4	− 1·0	− 0·3	+ 0·03	− 0·30	− 0·05	− 0·07	
6	− 0·6	− 0·3	+ 0·16	− 0·25	− 0·02	− 0·04	
8	− 0·9	− 0·3	+ 0·10	− 0·31	− 0·03	− 0·01	43 R. P. L. and ε Urs. Min.
9	− 0·9	− 0·3	+ 0·06	− 0·29	− 0·06	− 0·01	
10	+ 0·4	− 0·3	− 0·10	− 0·27	− 0·06	− 0·01	
11	− 0·3	− 0·3	− 0·09	− 0·14	+ 0·04	− 0·02	
13	+ 0·4	− 0·3	+ 0·36	− 0·22	− 0·02	− 0·02	
14	− 0·3	− 0·3	+ 0·16	− 0·27	− 0·06	− 0·02	
15	− 0·6	+ 0·3	+ 0·01	− 0·17	+ 0·01	− 0·03	
16	− 0·1	+ 0·1	+ 0·10	− 0·19	− 0·05	− 0·03	51 Cephei and δ Urs. Min.
17	+ 0·2	+ 0·1	+ 0·11	− 0·17	+ 0·01	− 0·01	
18	0·0	+ 0·1	+ 0·10	− 0·12	+ 0·04	0·00	
20	− 0·8	+ 0·1	+ 0·22	− 0·09	+ 0·08	+ 0·03	
21	+ 0·2	+ 0·1	+ 0·25	− 0·16	+ 0·02	+ 0·04	
22	− 0·9	+ 0·1	+ 0·21	− 0·17	+ 0·03	+ 0·06	51 Cephei and λ Urs. Min.
23	− 0·2	+ 0·1	+ 0·31	− 0·14	+ 0·05	+ 0·05	
24	− 0·4	+ 0·1	+ 0·27	− 0·25	0·00	+ 0·05	
25	− 0·1	+ 0·1	+ 0·14	− 0·16	+ 0·08	+ 0·04	
27	0·0	+ 0·1	+ 0·46	− 0·18	+ 0·07	+ 0·03	
28	− 0·7	+ 0·1	+ 0·37	− 0·22	− 0·04	+ 0·02	
Mar. 1	− 0·3	− 0·3	+ 0·19	− 0·19	− 0·07	+ 0·02	
2	− 0·6	− 0·3	+ 0·22	− 0·23	− 0·05	+ 0·01	45 and 131 R. P. L.
3	+ 0·1	− 0·3	+ 0·23	− 0·21	− 0·04	+ 0·01	
4	− 0·6	− 0·3	+ 0·21	− 0·22	− 0·05	+ 0·02	
6	− 0·1	− 0·3	+ 0·26	− 0·15	− 0·01	+ 0·02	
7	0·0	− 0·3	+ 0·30	− 0·15	0·00	+ 0·03	
9	+ 0·2	− 0·3	+ 0·19	− 0·15	0·00	+ 0·04	
10	− 0·5	− 0·3	+ 0·17	− 0·08	+ 0·04	+ 0·04	49 R. P. L. and 15 Argûs.
11	− 0·2	− 0·3	+ 0·19	− 0·07	+ 0·06	+ 0·04	
13	0·0	− 0·3	+ 0·18	− 0·04	+ 0·07	+ 0·04	
14	− 0·4	− 0·3	+ 0·33	− 0·02	+ 0·09	+ 0·04	
15	− 0·5	− 0·3	+ 0·33	− 0·21	− 0·05	+ 0·04	
16	0·0	+ 0·1	+ 0·17	− 0·13	− 0·03	+ 0·04	

Jan. 20.—Index and inclination correction interpolated.

Instrumental Corrections adopted in 1865.

Date.	Index.	Run in 5′	Clock Rate.	Inclination.	Collimation.	Meridian.	Determining Stars.
	″	″	s	s	s	s	
Mar. 17	+ 0·4	+ 0·1	+ 0·22	− 0·14	− 0·05	+ 0·04	
18	0·0	+ 0·1	+ 0·26	− 0·10	0·00	+ 0·04	ι Urs. Maj. and λ Urs. Min.
20	+ 0·6	+ 0·1	+ 0·30	− 0·13	− 0·01	+ 0·04	
21	+ 0·2	+ 0·1	+ 0·33	− 0·03	0·00	+ 0·04	
22	+ 0·4	+ 0·1	+ 0·22	− 0·12	− 0·01	+ 0·04	
23	+ 0·1	+ 0·1	+ 0·23	− 0·09	+ 0·03	+ 0·04	70 and 150 R. P. L.
24	− 0·1	+ 0·1	+ 0·40	− 0·12	− 0·01	+ 0·03	
25	+ 0·7	+ 0·1	+ 0·38	− 0·16	− 0·02	+ 0·02	
27	+ 0·6	+ 0·1	+ 0·30	− 0·13	− 0·02	− 0·01	
28	+ 0·4	+ 0·1	+ 0·28	− 0·13	0·00	− 0·02	
29	+ 0·5	+ 0·1	+ 0·30	− 0·10	+ 0·02	− 0·03	
30	+ 0·4	+ 0·1	+ 0·28	− 0·11	+ 0·01	− 0·05	
31	+ 0·6	+ 0·1	+ 0·40	− 0·05	+ 0·05	− 0·06	
Apl. 1	+ 0·7	− 0·2	+ 0·50	− 0·12	− 0·05	− 0·07	70 R. P. L. and δ Crateris.
3	+ 1·0	− 0·2	+ 0·28	− 0·13	− 0·06	− 0·03	
4	+ 1·0	− 0·2	+ 0·30	− 0·09	− 0·01	− 0·01	
5	+ 1·1	− 0·2	+ 0·23	− 0·01	+ 0·04	0·00	
6	+ 1·3	− 0·2	+ 0·26	+ 0·05	+ 0·09	+ 0·02	
7	+ 1·8	− 0·2	+ 0·40	− 0·01	+ 0·03	+ 0·04	
8	+ 1·7	− 0·2	+ 0·37	− 0·01	+ 0·03	+ 0·06	70 R. P. L. and Polaris.
10	+ 1·5	− 0·2	+ 0·28	+ 0·04	+ 0·05	+ 0·06	
11	+ 1·4	− 0·2	+ 0·37	0·00	+ 0·03	+ 0·06	
12	+ 1·3	− 0·2	+ 0·42	− 0·06	− 0·03	+ 0·05	
19	+ 1·7	0·0	+ 0·25	+ 0·01	+ 0·02	+ 0·04	
20	+ 1·6	0·0	+ 0·21	− 0·03	− 0·01	+ 0·04	12 Can. Ven. and Polaris.
21	+ 2·5	0·0	+ 0·23	− 0·02	0·00	+ 0·04	
22	+ 2·2	0·0	+ 0·31	− 0·03	− 0·03	+ 0·04	
24	+ 2·0	0·0	+ 0·19	− 0·01	+ 0·03	+ 0·04	
25	+ 2·0	0·0	+ 0·24	+ 0·10	+ 0·05	+ 0·04	
26	+ 1·8	0·0	+ 0·28	+ 0·01	+ 0·04	+ 0·04	99 R. P. L. and Polaris.
27	+ 1·9	0·0	+ 0·21	+ 0·05	+ 0·05	+ 0·03	
28	+ 1·9	0·0	+ 0·36	+ 0·02	+ 0·04	+ 0·03	
29	+ 2·4	0·0	+ 0·44	+ 0·02	+ 0·02	+ 0·02	
May 1	+ 3·2	− 0·3	+ 0·35	+ 0·04	+ 0·04	+ 0·01	
2	+ 2·9	− 0·3	+ 0·29	+ 0·02	0·00	0·00	99 R. P. L. and ε Corvi.
3	+ 1·5	− 0·3	+ 0·29	+ 0·06	+ 0·02	+ 0·01	
4	+ 1·9	− 0·3	+ 0·25	+ 0·06	+ 0·01	+ 0·01	
5	+ 2·5	− 0·3	+ 0·17	+ 0·12	+ 0·04	+ 0·02	
8	+ 2·2	− 0·3	+ 0·29	+ 0·07	+ 0·02	+ 0·04	92 R. P. L. and Polaris.
9	+ 2·1	− 0·3	+ 0·34	+ 0·05	− 0·02	+ 0·06	
10	+ 2·5	− 0·3	+ 0·33	+ 0·07	+ 0·02	+ 0·08	β Leonis and Polaris.
11	+ 2·1	− 0·3	+ 0·30	+ 0·13	+ 0·03	+ 0·07	
12	+ 1·7	− 0·3	+ 0·36	+ 0·11	0·00	+ 0·07	
13	+ 1·5	− 0·3	+ 0·38	+ 0·10	− 0·02	+ 0·06	
15	+ 1·8	− 0·3	+ 0·27	+ 0·17	0·00	+ 0·05	92, 99 R. P. L. and Polaris.
16	+ 2·1	+ 0·1	+ 0·41	+ 0·12	+ 0·04	+ 0·05	
17	+ 2·2	− 0·3	+ 0·50	+ 0·10	+ 0·03	+ 0·05	
18	+ 2·0	+ 0·1	+ 0·40	+ 0·06	− 0·02	+ 0·05	
20	+ 2·3	+ 0·1	+ 0·42	+ 0·01	− 0·02	+ 0·04	
22	+ 2·1	+ 0·1	+ 0·43	+ 0·05	+ 0·01	+ 0·04	92 R. P. L. and Polaris.
23	+ 2·2	+ 0·1	+ 0·46	+ 0·02	− 0·02	+ 0·01	
25	+ 2·7	+ 0·1	+ 0·48	− 0·04	− 0·04	− 0·03	
26	+ 2·0	+ 0·1	+ 0·39	− 0·01	− 0·03	− 0·06	99 R. P. L. and Polaris.
27	+ 2·1	+ 0·1	+ 0·35	0·00	− 0·01	− 0·05	
29	+ 2·6	+ 0·1	+ 0·43	+ 0·04	+ 0·02	− 0·02	
30	+ 2·4	+ 0·1	+ 0·42	+ 0·02	+ 0·01	− 0·01	
31	+ 2·4	+ 0·1	+ 0·41	+ 0·01	− 0·01	0·00	

Instrumental Corrections adopted in 1865.

Date.	Index.	Run in 5′	Clock Rate.	Inclination.	Collimation.	Meridian.	Determining Stars.
	″	″	*s*	*s*	*s*	*s*	
June 1	+ 2·3	− 0·2	+ 0·40	+ 0·02	+ 0·03	+ 0·01	
3	+ 1·9	− 0·2	+ 0·44	+ 0·02	− 0·03	+ 0·04	ρ Bootis and Polaris.
5	+ 2·5	− 0·2	+ 0·40	+ 0·14	+ 0·04	+ 0·05	
6	+ 2·5	− 0·2	+ 0·44	+ 0·13	+ 0·02	+ 0·05	
7	+ 1·8	− 0·2	+ 0·51	+ 0·13	0·00	+ 0·06	
8	+ 2·4	− 0·2	+ 0·51	+ 0·10	− 0·01	+ 0·06	
12	+ 1·8	− 0·2	+ 0·47	+ 0·12	− 0·01	+ 0·08	
14	+ 1·8	− 0·2	+ 0·47	+ 0·10	− 0·01	+ 0·09	
19	+ 2·4	+ 0·2	+ 0·63	+ 0·16	+ 0·04	+ 0·11	β U. M., 111 & 33 R. P. L.
20	+ 2·2	+ 0·2	+ 0·64	+ 0·09	0·00	+ 0·11	
23	+ 2·4	+ 0·2	+ 0·50	+ 0·13	+ 0·03	+ 0·10	
24	+ 2·5	+ 0·2	+ 0·50	+ 0·15	+ 0·06	+ 0·09	
29	+ 3·0	+ 0·2	+ 0·73	+ 0·12	+ 0·06	+ 0·07	
July 1	+ 2·4	− 0·3	+ 0·64	+ 0·11	− 0·02	+ 0·07	
3	+ 2·2	− 0·3	+ 0·55	+ 0·15	+ 0·04	+ 0·06	
7	+ 2·4	− 0·3	+ 0·59	+ 0·14	+ 0·05	+ 0·05	
12	+ 2·7	− 0·3	+ 0·57	+ 0·14	+ 0·07	+ 0·03	
14	+ 3·4	− 0·3	+ 0·77	+ 0·04	+ 0·02	+ 0·02	
15	+ 3·2	− 0·3	+ 0·81	+ 0·02	+ 0·01	− 0·01	ε Urs. Min. and μ¹ Sagit.
18	+ 3·0	− 0·3	+ 0·68	+ 0·09	− 0·01	0·00	116 R. P. L. and α Herc.
21	+ 3·0	− 0·3	+ 0·48	0·00	− 0·03	+ 0·02	
22	+ 3·9	− 0·3	+ 0·51	+ 0·11	+ 0·03	+ 0·02	
24	+ 2·7	− 0·3	+ 0·74	+ 0·08	+ 0·03	+ 0·01	ε Urs. Min. and μ¹ Sagit.
26	+ 3·1	− 0·3	+ 0·76	+ 0·10	+ 0·03	+ 0·01	
27	+ 3·1	− 0·3	+ 0·73	+ 0·07	+ 0·04	0·00	
28	+ 2·6	− 0·3	+ 0·74	+ 0·08	+ 0·06	0·00	
29	+ 3·3	− 0·3	+ 0·78	+ 0·06	+ 0·04	0·00	
31	+ 4·3	− 0·3	+ 0·71	0·00	0·00	− 0·01	
Aug. 2	+ 3·8	+ 0·2	+ 0·66	+ 0·04	+ 0·03	− 0·02	
3	+ 3·5	+ 0·2	+ 0·71	+ 0·04	+ 0·04	− 0·02	
5	+ 3·5	+ 0·2	+ 0·75	+ 0·12	+ 0·06	− 0·03	
8	+ 4·9	+ 0·2	+ 0·68	+ 0·01	+ 0·01	− 0·04	
11	+ 4·9	+ 0·2	+ 0·72	+ 0·07	+ 0·05	+ 0·01	λ Urs. Min. and α Pavonis.
17	+ 5·2	+ 0·2	+ 0·71	+ 0·09	+ 0·02	− 0·03	δ Urs. Min. and 51 Cephei.
18	+ 5·2	+ 0·2	+ 0·73	− 0·08	− 0·01	− 0·04	
23	+ 5·3	+ 0·2	+ 0·70	− 0·02	+ 0·05	− 0·06	
24	+ 4·9	+ 0·2	+ 0·80	+ 0·03	+ 0·04	− 0·06	
25	+ 5·6	+ 0·2	+ 1·02	− 0·07	+ 0·02	− 0·06	
26	+ 5·9	+ 0·2	+ 1·02	− 0·11	+ 0·02	− 0·07	
28	+ 6·0	+ 0·2	+ 0·77	− 0·09	− 0·01	− 0·08	
Sep. 1	+ 6·0	+ 0·2	+ 1·02	− 0·14	+ 0·02	− 0·09	δ Urs. Min. and 51 Cephei.
2	+ 5·3	+ 0·2	+ 1·01	− 0·12	+ 0·04	− 0·08	
5	+ 6·8	− 0·2	+ 0·81	− 0·13	+ 0·02	− 0·08	λ Urs. Min. and η Aquarii.
6	+ 6 4	− 0·2	+ 0·98	− 0·13	+ 0·04	− 0·08	
7	+ 6·5	− 0·2	+ 0·85	− 0·16	+ 0·04	− 0·08	
8	+ 6·4	− 0·2	+ 0·69	− 0·15	+ 0·03	− 0·08	
11	+ 6·1	− 0·2	+ 0·87	− 0·13	+ 0·02	− 0·08	
12	+ 6·1	− 0·2	+ 0·94	− 0·13	+ 0·04	− 0·08	
13	+ 6.1	− 0·2	+ 0·94	− 0·13	+ 0·02	− 0·08	150 and 72 R. P. L.
14	+ 5·7	− 0·2	− 0·30	− 0·11	+ 0·06	− 0·09	
15	+ 5·5	− 0·2	− 0·30	− 0·16	+ 0·04	− 0·10	
16	+ 5·6	0·0	− 0·35	− 0·16	+ 0·06	− 0·10	
21	+ 3·9	0·0	− 0·59	− 0·15	+ 0·03	− 0·14	
22	+ 5·6	0·0	− 0·68	− 0·18	+ 0·01	− 0·15	λ Urs. Min. and α Aquarii.
23	+ 5·0	0·0	− 0·73	− 0·16	+ 0·04	− 0·14	
25	+ 5·3	0·0	− 0·67	− 0·15	+ 0·04	− 0·12	

July 7.—The instrumental corrections interpolated.
Sep. 13.—The transit-clock put forward one minute and its rate adjusted.

Instrumental Corrections adopted in 1865.

Date.	Index.	Run in 5′	Clock Rate.	Inclination.	Collimation.	Meridian.	Determining Stars.
	″	″	*s*	*s*	*s*	*s*	
Sep. 26	+ 5·1	0·0	− 0·69	− 0·12	+ 0·05	− 0·11	
28	+ 4·6	0·0	− 0·70	− 0·16	+ 0·05	− 0·10	
29	+ 4·4	0·0	− 0·79	− 0·15	+ 0·07	− 0·09	
30	+ 4·7	0·0	− 0·86	− 0·10	+ 0·07	− 0·08	λ Urs. Min. and α Gruis.
Oct. 2	+ 5·1	− 0·2	− 0·80	− 0·11	+ 0·08	− 0·02	
3	+ 4·1	− 0·2	− 0·85	− 0·12	+ 0·05	+ 0·01	3 Cygni and 70 R. P. L.
4	+ 3·6	− 0·2	− 0·77	− 0·08	+ 0·07	− 0·01	
5	+ 4·3	− 0·2	− 0·76	− 0·17	+ 0·04	− 0·03	
6	+ 4·0	− 0·2	− 0·76	− 0·12	+ 0·05	− 0·06	
7	+ 4·4	− 0·2	− 0·67	− 0·12	+ 0·05	− 0·08	Polaris and 116 R. P. L.
9	+ 4·1	− 0·2	− 0·81	− 0·11	+ 0·04	− 0·06	
10	+ 3·5	− 0·2	− 0·86	− 0·06	+ 0·07	− 0·05	
11	+ 3·3	− 0·2	− 0·80	− 0·07	+ 0·07	− 0·04	
12	+ 3·8	− 0·2	− 0·80	− 0·10	+ 0·02	− 0·03	
13	+ 2·7	− 0·2	− 0·86	− 0·14	+ 0·05	− 0·02	
14	+ 3·3	− 0·2	− 0·91	− 0·10	+ 0·04	− 0·01	150 and 89 R. P. L.
16	+ 2·8	+ 0·1	− 0·92	− 0·10	+ 0·08	− 0·01	
17	+ 3·2	+ 0·1	− 0·89	− 0·13	+ 0·09	− 0·01	
18	+ 3·1	+ 0·1	− 0·87	− 0·11	+ 0·09	− 0·01	
23	+ 4·0	+ 0·1	− 0·80	− 0·13	+ 0·07	0·00	12 R. P. L., Pol. & Fomalhaut
24	+ 4·2	+ 0·1	− 0·78	− 0·12	+ 0·09	− 0·01	
25	+ 3·9	+ 0·1	− 0·79	− 0·14	+ 0·08	− 0·02	
26	+ 3·7	+ 0·1	− 0·78	− 0·14	+ 0·06	− 0·03	
27	+ 3·4	+ 0·1	− 0·78	− 0·15	+ 0·07	− 0·04	
28	+ 3·4	+ 0·1	− 0·82	− 0·15	+ 0·07	− 0·05	
31	+ 5·8	+ 0·1	− 0·84	− 0·24	+ 0·04	− 0·08	Polaris and Achernar.
Nov. 1	+ 5·8	0·0	− 0·84	− 0·25	+ 0·03	− 0·08	
3	+ 6·5	0·0	− 0·75	− 0·28	+ 0·05	− 0·08	Polaris and Achernar.
4	+ 6·6	0·0	− 0·75	− 0·31	+ 0·02	− 0·07	
8	+ 6·4	0·0	− 0·87	− 0·32	+ 0·06	− 0·03	12 R. P. L. and 12 Ceti.
10	+ 7·3	0·0	− 0·96	− 0·45	0·00	− 0·04	
11	+ 7·0	0·0	− 0·97	− 0·41	+ 0·03	− 0·05	
13	+ 6·5	0·0	− 0·88	− 0·45	+ 0·02	− 0·06	
14	+ 6·5	0·0	− 0·90	− 0·49	+ 0·01	− 0·07	Polaris and 114 R. P. L.
15	+ 4·8	0·0	− 0·90	− 0·44	+ 0·03	− 0·09	
16	+ 5·9	− 0·1	+ 0·22	− 0·42	+ 0·06	− 0·10	
17	+ 6·4	− 0·1	+ 0·22	− 0·41	+ 0·04	− 0·12	Polaris and β Ceti.
18	+ 4·2	− 0·1	+ 0·26	− 0·36	+ 0·06	− 0·12	
21	+ 6·9	− 0·1	+ 0·37	− 0·35	+ 0·03	− 0·12	
22	+ 6·4	− 0·1	+ 0·38	− 0·44	+ 0·01	− 0·12	Polaris and Achernar.
27	+ 9·2	− 0·1	+ 0·06	− 0·58	− 0·03	− 0·06	Polaris and 103 R. P. L.
28	+ 9·2	− 0·1	+ 0·25	− 0·47	+ 0·11	− 0·06	
29	+ 9·4	− 0·1	+ 0·44	− 0·53	+ 0·03	− 0·06	
30	+ 8·6	0·0	+ 0·36	− 0·10	0·00	− 0·06	Polaris and Achernar.
Dec. 1	+ 8·5	0·0	+ 0·22	− 0·09	0·00	− 0·05	
2	+ 9·5	0·0	+ 0·15	− 0·01	+ 0·03	− 0·03	
5	+ 7·3	0·0	+ 0·21	− 0·02	− 0·01	+ 0·01	Polaris and β Ceti.
7	+ 7·0	0·0	+ 0·17	− 0·02	− 0·01	+ 0·04	
8	+ 8·4	0·0	+ 0·18	− 0·06	− 0·01	+ 0·06	
9	+ 8·7	0·0	+ 0·22	+ 0·02	− 0·02	+ 0·08	33 R. P. L. and o^1 Eridani.
11	+ 8·3	0·0	+ 0·21	− 0·03	+ 0·03	+ 0·09	Polaris, 33 and 108 R. P. L.
12	+ 7·1	0·0	+ 0·21	− 0·01	0·00	+ 0·09	
13	+ 7·1	0·0	+ 0·25	+ 0·02	+ 0·04	+ 0·10	
14	+ 6·4	0·0	+ 0·22	+ 0·01	+ 0·03	+ 0·10	
15	+ 6·7	+ 0·2	+ 0·20	− 0·04	+ 0·02	+ 0·10	
16	+ 7·1	+ 0·2	+ 0·21	− 0·06	+ 0·01	+ 0·10	

Nov. 15.—The transit clock rate adjusted.
Nov. 21.—The instrument thoroughly examined and cleaned.
Nov. 30.—The inclination error adjusted.

Instrumental Corrections adopted in 1866.

Date.	Index.	Run in 5′	Clock Rate.	Inclination.	Collimation.	Meridian.	Determining Stars.
	″	″	*s*	*s*	*s*	*s*	
Feb. 13	− 1·5	− 0·1	+ 0·27	+ 0·22	+ 0·03	+ 0·07	
14	− 1·1	− 0·1	+ 0·30	+ 0·27	+ 0·02	+ 0·08	
15	− 1·7	− 0·1	+ 0·27	+ 0·29	+ 0·06	+ 0·09	
16	− 2·6	− 0·1	+ 0·28	+ 0·24	+ 0·05	+ 0·10	
17	− 1·8	− 0·1	+ 0·26	+ 0·22	+ 0·04	+ 0·11	
19	− 1·9	− 0·1	+ 0·24	+ 0·21	+ 0·06	+ 0·12	
20	− 3·5	− 0·1	+ 0·25	+ 0·17	+ 0·05	+ 0·13	45 R. P. L. and λ Urs. Min.
21	− 2·6	− 0·1	+ 0·24	+ 0·16	+ 0·04	+ 0·13	
22	− 2·3	− 0·1	+ 0·35	+ 0·16	+ 0·03	+ 0·13	
23	− 1·6	− 0·1	+ 0·34	+ 0·18	+ 0·01	+ 0·14	
24	− 3·4	− 0·1	+ 0·24	+ 0·17	+ 0·03	+ 0·14	
26	− 3·9	− 0·1	+ 0·25	+ 0·20	+ 0·10	+ 0·14	
27	− 2·6	− 0·1	+ 0·28	+ 0·20	+ 0·09	+ 0·14	
28	− 2·3	− 0·1	+ 0·34	+ 0·19	+ 0·10	+ 0·15	
Mar. 1	− 1·0	− 0·1	+ 0·32	+ 0·18	+ 0·06	+ 0·15	45 R. P. L. and λ Urs. Min.
2	− 2·0	− 0·1	+ 0·30	+ 0·16	+ 0·05	+ 0·14	
3	− 1·8	− 0·1	+ 0·38	+ 0·19	+ 0·07	+ 0·12	
5	− 3·5	− 0·1	+ 0·40	+ 0·19	+ 0·06	+ 0·09	
6	− 1·5	− 0·1	+ 0·39	+ 0·19	+ 0·06	+ 0·08	
7	− 2·7	− 0·1	+ 0·42	+ 0·27	+ 0·11	+ 0·06	
8	− 2·0	− 0·1	+ 0·39	+ 0·22	+ 0·04	+ 0·05	60 R. P. L. and λ Urs. Min.
9	− 2·8	− 0·1	+ 0·29	+ 0·20	+ 0·07	+ 0·05	
10	− 1·6	− 0·1	+ 0·32	+ 0·24	+ 0·04	+ 0·04	
12	− 1·6	− 0·1	+ 0·44	+ 0·31	+ 0·07	+ 0·04	
13	− 2·6	− 0·1	+ 0·43	+ 0·25	+ 0·07	+ 0·04	
14	− 0·9	− 0·1	+ 0·25	+ 0·19	0·00	+ 0·03	
15	− 0·9	− 0·1	+ 0·26	+ 0·25	+ 0·08	+ 0·03	72 R. P. L. and ε Argûs.
16	− 0·3	+ 0·1	+ 0·33	+ 0·26	+ 0·04	+ 0·02	
17	0·0	+ 0·1	+ 0·28	+ 0·31	+ 0·08	+ 0·01	
19	+ 0·3	+ 0·1	+ 0·35	+ 0·32	+ 0·07	0·00	
20	+ 0·1	+ 0·1	+ 0·32	+ 0·31	+ 0·07	− 0·01	
21	+ 0·2	+ 0·1	+ 0·33	+ 0·26	+ 0·05	− 0·02	
22	0·0	+ 0·1	+ 0·35	+ 0·33	+ 0·06	− 0·03	72 R. P. L. and η Argûs.
23	− 0·4	+ 0·1	+ 0·33	+ 0·34	+ 0·07	− 0·03	
24	+ 0·4	+ 0·1	+ 0·30	+ 0·29	+ 0·06	− 0·04	
26	+ 0·3	+ 0·1	+ 0·20	+ 0·36	+ 0·05	− 0·04	
27	+ 0·4	+ 0·1	+ 0·25	+ 0·37	+ 0·07	− 0·05	
28	+ 0·5	+ 0·1	+ 0·30	+ 0·38	+ 0·05	− 0·05	70, 72 R. P. L. and α¹ Crucis.
30	+ 0·4	+ 0·1	+ 0·23	+ 0·33	+ 0·06	− 0·04	
31	+ 0·5	+ 0·1	+ 0·23	+ 0·33	+ 0·07	− 0·04	
Apl. 4	− 2·4	− 0·1	+ 0·15	+ 0·12	+ 0·07	− 0·03	
5	− 0·4	− 0·1	+ 0·14	+ 0·44	+ 0·08	− 0·03	99 and 158 R. P. L.
6	+ 0·2	− 0·1	+ 0·19	+ 0·42	+ 0·04	− 0·03	
7	+ 0·5	− 0·1	+ 0·22	+ 0·38	+ 0·06	− 0·03	
9	+ 1·0	− 0·1	+ 0·33	+ 0·46	+ 0·04	− 0·02	
10	− 1·6	− 0·1	+ 0·31	+ 0·41	+ 0·02	− 0·02	
11	− 1·8	− 0·1	+ 0·19	+ 0·38	+ 0·02	− 0·02	
12	− 2·5	− 0·1	+ 0·21	+ 0·39	+ 0·04	− 0·01	
13	+ 0·6	− 0·1	+ 0·23	+ 0·42	+ 0·02	− 0·01	
14	− 1·6	− 0·1	+ 0·17	+ 0·46	+ 0·06	− 0·01	99 R. P. L. and Polaris.
16	+ 1·9	0·0	+ 0·15	+ 0·51	+ 0·05	~~− 0·1~~	
17	+ 2·1	0·0	+ 0·22	+ 0·52	+ 0·07	− 0·20	
18	+ 2·2	0·0	+ 0·25	+ 0·48	+ 0·02	− 0·26	
19	+ 2·0	0·0	+ 0·29	+ 0·46	+ 0·01	− 0·32	103 and 14 R. P. L.
20	− 2·9	0·0	+ 0·19	+ 0·35	+ 0·02	− 0·40	103 and 14 R. P. L.
21	+ 2·3	0·0	+ 0·03	+ 0·53	+ 0·05	~~+ 0·23~~	
23	+ 1·2	− 0·1	− 0·03	+ 0·57	+ 0·07	− 0·05	89 R. P. L. and Polaris.

Instrumental Corrections adopted in 1866.

Date.	Index.	Run in 5′	Clock Rate.	Inclination.	Collimation.	Meridian.	Determining Stars.
	″	″	s	s	s	s	
Apl. 24	− 2·5	− 0·1	+ 0·09	+ 0·54	+ 0·07	− 0·07	
25	− 4·0	0·0	+ 0·09	+ 0·40	+ 0·08	~~− 0·19~~	92, 103 R. P. L. & Polaris.
26	− 3·8	0·0	− 0·10	+ 0.42	+ 0·10	− 0·06	3 Virginis and Polaris.
27	+ 2·0	0·0	− 0·12	+ 0.48	+ 0·03	− 0·11	Arcturus and Polaris.
28	+ 2·5	0·0	− 0·08	+ 0.59	+ 0·09	− 0·04	12 Can. Ven. and Polaris.
30	+ 2·2	0·0	+ 0·16	+ 0·57	+ 0·07	− 0·20	
May 1	+ 2·7	0·0	+ 0·18	+ 0·54	+ 0·05	− 0·27	111 and 34 R. P. L.
2	+ 2·7	0·0	+ 0·23	+ 0·56	+ 0·08	− 0·18	116 and 34 R. P. L.
3	− 1·9	0·0	+ 0·23	+ 0·42	+ 0·02	− 0·14	89 and 12 R. P. L.
4	− 0·4	0·0	+ 0·12	+ 0·55	+ 0·06	− 0·13	89 and 12 R. P. L.
5	+ 2·3	0·0	+ 0·21	+ 0·60	+ 0·10	− 0·08	12 Can. Ven. and Polaris.
7	− 4·1	0·0	+ 0·09	+ 0·55	+ 0·09	− 0·03	
8	+ 2·4	0·0	+ 0·13	+ 0·70	+ 0·12	0·00	99 R. P. L. and Polaris.
9	− 2·2	0·0	+ 0·36	+ 0·65	+ 0·10	− 0·01	
10	+ 1·4	0·0	+ 0·26	+ 0·59	+ 0·07	− 0·03	99 R. P. L. and Polaris.
11	+ 3·2	0·0	+ 0·27	+ 0·69	+ 0·10	+ 0·01	
12	+ 3·4	0·0	+ 0·39	+ 0·65	+ 0·11	+ 0·05	89 R. P. L. and Polaris.
14	+ 3·8	0·0	+ 0·40	+ 0·66	+ 0·11	+ 0·01	
15	+ 3·2	0·0	+ 0·31	+ 0·64	+ 0·07	− 0·01	ρ Bootis and Polaris.
16	+ 2·4	+ 0·1	+ 0·28	+ 0·31	+ 0·13	− 0·04	ε Bootis and Polaris.
17	+ 2·9	+ 0·1	+ 0·45	+ 0·33	+ 0·13	0·00	
18	+ 2·5	+ 0·1	+ 0·44	+ 0·31	+ 0·12	+ 0·04	99 R. P. L. and Polaris.
19	+ 2·3	+ 0·1	+ 0·33	+ 0 29	+ 0·13	+ 0·03	
21	+ 3·2	+ 0·1	+ 0·45	+ 0·31	+ 0·13	+ 0·02	3 Urs. Min. and Polaris.
22	+ 3·8	+ 0·1	+ 0·49	+ 0·31	+ 0·13	+ 0·02	
23	+ 3·5	+ 0·1	+ 0·43	+ 0·33	+ 0·12	+ 0·03	111 R. P. L. and Polaris.
25	+ 4·0	+ 0·1	+ 0·70	+ 0·38	+ 0·16	+ 0·07	12 Can. Ven. and Polaris.
26	− 3·3	+ 0·1	+ 0·69	+ 0·19	+ 0·10	+ 0·04	116 and 35 R. P. L.
28	+ 2·9	+ 0·1	+ 0·57	+ 0·37	+ 0·13	− 0·02	
29	+ 1·5	+ 0·1	+ 0·44	+ 0·27	+ 0·13	− 0·14	η Urs. Maj. and Polaris.
30	+ 2·6	+ 0·1	+ 0·31	+ 0·45	+ 0·14	− 0·11	
31	+ 3·4	+ 0·1	+ 0·42	+ 0·42	+ 0·13	− 0·08	
June 1	− 1·3	+ 0·2	+ 0·43	+ 0·42	+ 0·10	− 0·05	
4	+ 2·3	+ 0·2	+ 0·37	+ 0·50	+ 0·13	+ 0·03	η Urs. Maj. and Polaris.
5	+ 2·7	+ 0·2	+ 0·49	+ 0·51	+ 0·12	+ 0·05	3 Herculis and Polaris.
6	− 4·4	+ 0·2	+ 0·50	+ 0·40	+ 0·17	+ 0·07	
7	+ 3·1	+ 0·2	+ 0·32	+ 0·49	+ 0·13	+ 0·09	ε Bootis and Polaris.
8	− 0·8	+ 0·2	+ 0·55	+ 0·54	+ 0·19	+ 0·10	
9	+ 2·1	+ 0·2	+ 0·71	+ 0·48	+ 0·11	+ 0·10	δ Urs. Min. and Polaris.
12	+ 2·0	+ 0·2	+ 0·44	+ 0·56	+ 0·14	+ 0·08	
16	+ 1·8	+ 0·2	+ 0·48	+ 0·60	+ 0·13	+ 0·06	
19	+ 0·4	+ 0·2	+ 0·50	+ 0·55	+ 0·12	+ 0·04	
22	+ 0·6	+ 0·2	+ 0·54	+ 0·59	+ 0·13	+ 0·02	
25	+ 0·3	+ 0·3	+ 0·55	+ 0·63	+ 0·14	0·00	116 and 40 R. P. L.
26	+ 0·2	+ 0·3	+ 0·55	+ 0·64	+ 0·12	+ 0·01	
27	+ 0·2	+ 0·3	+ 0·63	+ 0·64	+ 0·11	+ 0·02	
29	− 7·0	+ 0·3	+ 0·59	+ 0·52	+ 0·12	+ 0·04	
30	+ 0·9	+ 0·3	+ 0 55	+ 0·67	+ 0·12	+ 0·05	δ Urs. Min. and 51 Cephei.
July 2	+ 0·3	0·0	+ 0·71	+ 0·67	+ 0·12	+ 0·05	
5	− 0·4	0·0	+ 0·73	+ 0·29	+ 0·14	+ 0·26	δ Urs. Min. and 51 Cephei.
6	+ 6·2	0·0	+ 0·75	+ 0·30	+ 0·14	+ 0·27	
7	+ 5·1	0·0	+ 0·78	+ 0·28	+ 0·10	+ 0·28	δ Urs. Min. and 51 Cephei.
13	+ 3·0	0·0	+ 0·73	+ 0·13	− 0·02	+ 0·22	3 Herculis and 51 Cephei.
16	+ 4·0	0·0	+ 0·74	+ 0·19	+ 0·02	+ 0·21	
17	+ 3·2	0·0	+ 0·77	+ 0·13	+ 0·03	+ 0·21	

May 16.—The inclination error adjusted.
June 1.—The microscopes cleaned.
June 19.—The index error adjusted.
July 3.—The inclination error adjusted and the pivots cleaned.
July 5.—The circle clamps repaired and the index error adjusted.
July 13.—The object glass found to be unscrewed about one-sixth of a revolution. This at once explains the unsteadiness of the index and level corrections since last March. It was screwed home and the index error again adjusted.

Instrumental Corrections adopted in 1866.

Date.	Index.	Run in 5′	Clock Rate.	Inclination.	Collimation.	Meridian.	Determining Stars
	″	″	*s*	*s*	*s*	*s*	
July 19	+ 4·2	0·0	+ 0·81	+ 0·12	+ 0·01	+ 0·21	δ Urs. Min. and θ Ophiuchi.
20	+ 4·7	0·0	+ 0·79	+ 0·17	+ 0·01	+ 0·21	
23	+ 3·7	0·0	+ 0·83	+ 0·18	− 0·03	+ 0·19	
24	− 3·9	0·0	+ 0·84	+ 0·18	− 0·01	+ 0·19	
Aug. 3	+ 4·4	0·0	+ 0·78	+ 0·18	+ 0·01	+ 0·14	3 Aquilæ and 51 Cephei.
7	+ 4·9	0·0	+ 0·85	+ 0·20	0·00	+ 0·13	
9	+ 5·1	0·0	+ 0·94	+ 0·21	+ 0·02	+ 0·13	δ Urs. Min. and 51 Cephei.
10	+ 4·3	0·0	+ 0·97	+ 0·24	− 0·02	+ 0·14	
11	+ 5·2	0·0	− 0·40	+ 0·24	0·00	+ 0·14	
16	+ 4·3	0·0	− 0·40	+ 0·28	− 0·04	+ 0·16	δ Urs. Min. and δ Aquilæ.
17	+ 4·5	0·0	− 0·32	+ 0·33	− 0·04	+ 0·11	δ U. M. and μ^1 Sagittarii.
18	+ 4·5	0·0	− 0·26	+ 0·30	− 0·02	+ 0·11	
20	+ 4·0	0·0	− 0·25	+ 0·35	− 0·02	+ 0·11	
21	+ 4·9	0·0	− 0·26	+ 0·33	+ 0·01	+ 0·11	
22	+ 3·8	0·0	− 0·40	+ 0·32	− 0·01	+ 0·11	δ U. M. and h^2 Sagittarii.
23	+ 4·7	0·0	− 0·51	+ 0·29	− 0·03	+ 0·12	
25	+ 5·2	0·0	− 0·48	+ 0·26	− 0·03	+ 0·14	
27	+ 5·8	0·0	− 0·37	+ 0·28	− 0·01	+ 0·17	
28	+ 6·2	0·0	− 0·45	+ 0·25	− 0·03	+ 0.18	
29	+ 5·2	0·0	− 0·42	+ 0·31	+ 0·01	+ 0·19	3 Cygni and 70 R. P. L.
30	+ 5·0	0·0	− 0·28	+ 0·29	+ 0·01	+ 0·17	
Sep. 7	+ 6·0	0·0	− 0·44	+ 0·34	0·00	+ 0·02	λ Urs. Min. and β Aquilæ.
8	+ 5·3	0·0	− 0·46	+ 0·44	+ 0·04	+ 0·05	λ U. M. and h^2 Sagittarii.
10	+ 6·4	0·0	− 0·38	+ 0·53	+ 0·10	+ 0·03	
12	+ 6·8	0·0	− 0·45	+ 0·45	+ 0·01	+ 0·02	143 R. P. L. and δ Aquilæ.
13	+ 6·9	0·0	− 0·47	+ 0·52	+ 0·01	+ 0·06	λ U. M. and ρ Capricorni.
14	+ 6·9	0·0	− 0·28	+ 0·51	+ 0·05	+ 0·10	
15	+ 7·1	0·0	− 0·23	+ 0·45	− 0·03	+ 0·11	
18	+ 7·1	+ 0·1	− 0·37	+ 0·56	+ 0·02	+ 0·12	
19	+ 7·0	+ 0·1	− 0·40	+ 0·53	+ 0·02	+ 0·13	143 and 69 R. P. L.
20	+ 7·6	+ 0·1	− 0·41	+ 0·56	− 0·01	+ 0·12	
22	+ 7·9	+ 0·1	− 0·36	+ 0·50	− 0·01	+ 0·10	
24	+ 7·4	0·0	− 0·21	+ 0·57	+ 0·02	− 0·08	λ Urs. Min. and β Aquarii.
25	+ 7·9	0·0	− 0·36	+ 0·53	− 0·06	+ 0·09	
26	+ 7·8	0·0	− 0·51	+ 0·58	+ 0·01	+ 0·10	
27	+ 8·4	0·0	− 0·43	+ 0·58	0·00	+ 0·10	
28	+ 8·3	0·0	− 0·38	+ 0·60	+ 0·01	+ 0·11	
29	+ 8·5	0·0	− 0·34	+ 0·60	0·00	+ 0·12	
Oct. 1	+ 8·0	0·0	− 0·41	+ 0·59	− 0·02	+ 0·13	
2	+ 8·7	0·0	− 0·41	+ 0·57	− 0·01	+ 0·14	150 R. P. L. and θ Aquarii.
5	+ 8·7	0·0	− 0·35	+ 0·56	− 0·05	+ 0·09	
6	+ 10·1	0·0	− 0·34	+ 0·54	− 0·03	+ 0·07	3 Cygni and 69 R. P. L.
9	+ 1·4	0·0	− 0·40	+ 0·16	+ 0·02	+ 0·01	
10	+ 1·1	0·0	− 0·32	+ 0·15	+ 0·01	− 0·01	
11	+ 2·1	0·0	− 0·35	+ 0·10	0·00	− 0 03	Polaris and 12 Ceti.
12	+ 2·1	0·0	− 0·48	+ 0·14	0·00	− 0·04	
15	+ 2·4	0·0	− 0·60	+ 0·16	+ 0·02	− 0·08	
16	+ 2·6	0·0	− 0·45	+ 0·20	+ 0·07	− 0·09	
17	+ 3·0	0·0	− 0·32	+ 0·07	− 0·02	− 0·11	
22	+ 6·2	0·0	− 0·60	− 0·17	− 0·04	− 0·17	Polaris and Fomalhaut.
24	+ 6·5	0·0	− 0·63	− 0·25	− 0·05	− 0·14	
25	+ 7·0	− 0·1	− 0·66	− 0·28	− 0·04	− 0·13	Polaris and 101 R. P. L.
27	+ 6·0	− 0·1	− 0·66	− 0·19	+ 0·05	− 0·13	
29	+ 6·2	− 0·1	− 0·53	− 0·22	+ 0·03	− 0·14	
30	+ 5·1	− 0·1	− 0·68	− 0·35	− 0·01	− 0·14	
31	+ 5·0	− 0·1	− 0·78	− 0·27	+ 0·05	− 0·14	
Nov. 1	+ 4·6	0·0	− 0·68	− 0·29	+ 0·04	− 0·15	
3	+ 4·2	0·0	− 0·69	− 0·41	− 0·04	− 0·15	Polaris and 101 R. P. L

Aug. 11.—The transit clock put forward one minute and its rate adjusted.
Oct. 9.—The index and inclination errors adjusted.
Oct. 17 to 22.—Heavy continuous rain: hence the changes in the index and inclination corrections.

Instrumental Corrections adopted in 1866.

Date.	Index.	Run in 5′	Clock Rate.	Inclination.	Collimation.	Meridian.	Determining Stars.
	″	″	s	s	s	s	
Nov. 5	+ 4·5	0·0	− 0·65	− 0·36	− 0·02	− 0·16	
6	+ 4·7	0·0	− 0·62	− 0·38	− 0·04	− 0·16	
7	+ 3·8	0·0	− 0·64	− 0·34	− 0·04	− 0·17	158 R. P. L., Pol. & Achernar.
8	+ 3·2	0·0	− 0·70	− 0·32	− 0·02	− 0·16	
9	+ 3·8	0·0	− 0·60	− 0·28	0·00	− 0·15	
10	+ 2·7	0·0	− 0·52	− 0·31	− 0·02	− 0·14	
12	+ 2·6	0·0	− 0·58	− 0·31	0·00	− 0·18	
13	+ 2·5	0·0	− 0·61	− 0·38	− 0·03	− 0·12	
14	+ 2·2	0·0	− 0·69	− 0·38	− 0·04	− 0·11	Polaris and 101 R. P. L.
19	+ 4·9	0·0	− 0·74	− 0·62	− 0·02	− 0·11	Polaris and β Ceti.
22	+ 4·9	0·0	− 0·79	− 0·72	− 0·03	− 0·09	
26	+ 5·9	0·0	− 0·95	− 0·83	0·00	− 0·07	Polaris and 101 R. P. L.
27	+ 6·7	0·0	− 0·97	− 0·94	+ 0·01	− 0·06	
28	+ 0·5	0·0	− 0·01	+ 0·05	− 0·01	− 0·04	
30	+ 0·4	0·0	+ 0·01	+ 0·01	− 0·03	− 0·01	
Dec. 6	+ 0·1	+ 0·1	+ 0·22	− 0·10	− 0·03	+ 0·07	35 and 108 R. P. L.
7	+ 0·5	+ 0·1	+ 0·30	− 0·16	− 0·06	+ 0·07	
8	− 1·1	+ 0·1	+ 0·20	− 0·18	− 0·03	+ 0·06	
10	− 0·9	+ 0·1	+ 0·09	− 0·20	− 0·01	+ 0·06	
12	+ 0·3	+ 0·1	+ 0·08	− 0·24	− 0·04	+ 0·05	
13	+ 1·0	+ 0·1	+ 0·05	− 0·19	− 0·05	+ 0·05	
17	+ 0·3	+ 0·4	− 0·01	− 0·12	− 0·04	+ 0·04	
18	+ 0·4	+ 0·4	− 0·02	− 0·15	− 0·03	+ 0·04	
19	− 1·6	+ 0·4	− 0·05	− 0·09	− 0·01	+ 0·04	
20	− 2·2	+ 0·4	− 0·05	− 0·05	+ 0·01	+ 0·03	
22	− 1·1	+ 0·4	− 0·02	− 0·08	+ 0·01	+ 0·03	35 and 116 R. P. L.

Instrumental Corrections adopted in 1867.

Date.	Index.	Run in 5′	Clock Rate.	Inclination.	Collimation.	Meridian.	Determining Stars.
	″	″	s	s	s	s	
Jan. 3	− 3·6	− 0·1	− 0·32	− 0·02	+ 0·02	+ 0·07	ι Aurigæ and δ Urs. Min.
4	− 4·1	− 0·1	− 0·11	− 0·05	+ 0·01	+ 0·05	
5	− 3·9	− 0·1	+ 0·10	− 0·03	0·00	+ 0·03	ι Aurigæ and δ Urs. Min.
7	− 3·6	− 0·1	+ 0·03	+ 0·03	− 0·02	+ 0·04	51 Cephei and 115 R. P. L.
8	− 3·4	− 0·1	+ 0·10	+ 0·06	0·00	+ 0·03	
9	− 4·0	− 0·1	+ 0·17	0·00	− 0·03	+ 0·02	
10	− 4·7	− 0·1	+ 0·03	+ 0·01	− 0·03	+ 0·01	
11	− 4·6	− 0·1	+ 0·05	+ 0·03	− 0·01	+ 0·01	
12	− 5·2	− 0·1	+ 0·10	+ 0·01	− 0·03	0·00	
14	− 5·4	+ 0·1	− 0·02	+ 0·02	0·00	− 0·02	51 Cephei and ε Urs. Min.
15	− 5·2	+ 0·1	+ 0·04	+ 0·04	0·00	− 0·02	
16	− 5·1	+ 0·1	+ 0·01	+ 0·03	+ 0·01	− 0·01	
17	− 6·0	+ 0·1	− 0·02	+ 0·09	+ 0·06	0·00	
18	− 5·9	+ 0·1	+ 0·15	+ 0·07	+ 0·04	0·00	
19	− 6·4	+ 0·1	+ 0·14	+ 0·02	0·00	+ 0·01	
21	− 6·9	+ 0·1	+ 0·04	+ 0·08	+ 0·02	+ 0·02	
22	− 6·9	+ 0·1	+ 0·11	+ 0·08	+ 0·02	+ 0·03	
23	− 7·4	+ 0·1	+ 0·17	0·00	0·00	+ 0·04	51 Cephei and δ Urs. Min.
24	− 7·8	+ 0·1	+ 0·10	+ 0·05	+ 0·02	+ 0·03	
25	− 8·1	+ 0·1	− 0·08	0·00	+ 0·01	+ 0·02	

Nov. 15.—Heavy rain, followed by change in the corrections.
Nov. 28.—The index and inclination corrections and the transit clock rate adjusted.
Dec. 4, 5.—Heavy rain.
Dec. 19.—The collimators and microscopes cleaned.
Jan. 7.—The index error interpolated.

Instrumental Correction adopted in 1867.

Date.	Index.	Run in 5′	Clock Rate.	Inclination.	Collimation.	Meridian.	Determining Stars.
	″	″	s	s	s	s	
Jan. 26	− 8·7	+ 0·1	− 0·21	+ 0·03	+ 0·04	+ 0·01	
28	− 9·1	+ 0·1	− 0·17	+ 0·10	+ 0·01	− 0·01	
29	− 9·4	+ 0·1	− 0·01	+ 0·10	+ 0·02	− 0·02	
30	− 9·3	+ 0·1	+ 0·08	+ 0·09	+ 0·01	− 0·03	β Tauri and δ Urs. Min.
31	− 9·7	+ 0·1	+ 0·09	+ 0·10	+ 0·02	− 0·01	
Feb. 1	− 10·5	0·0	+ 0·06	+ 0·10	− 0·01	+ 0·01	γ Geminorum & 51 Cephei.
2	− 11·3	0·0	+ 0·03	+ 0·10	0·00	0·00	
4	− 10·6	0·0	+ 0·20	+ 0·07	− 0·04	− 0·03	
5	− 9·9	0·0	+ 0·21	+ 0·12	0·00	− 0·05	
6	− 10·4	0·0	+ 0·14	+ 0·14	− 0·03	− 0·06	Pollux and δ Urs. Min.
7	− 10·3	0·0	+ 0·19	+ 0·22	0·00	− 0·05	
8	− 10·4	0·0	+ 0·23	+ 0·25	+ 0·01	− 0·04	
9	− 10·5	0·0	+ 0·14	+ 0·19	− 0·03	− 0·02	
11	− 10·5	0·0	+ 0·15	+ 0·25	+ 0·02	0·00	60 R. P. L. and ε Urs. Min.
12	− 10·6	0·0	+ 0·22	+ 0·24	0·00	0·00	
13	− 10·7	0·0	− 0·71	+ 0·19	− 0·04	0·00	
14	− 11·1	0·0	− 1·32	+ 0·26	+ 0·04	0·00	49 R. P. L. & γ Geminorum.
15	− 11·3	0·0	− 0·92	+ 0·23	+ 0·01	− 0·02	49 R. P. L. and δ Urs. Min.
16	− 11·4	0·0	− 0·67	+ 0·21	+ 0·03	− 0·05	
18	− 11·1	0·0	− 0·01	+ 0·16	− 0·03	− 0·11	
19	− 11·3	0·0	− 0·02	+ 0·12	− 0·04	− 0·14	72 R. P. L. and ν Leonis.
20	− 10·9	0·0	− 0·07	+ 0·17	− 0·02	− 0·12	
21	− 11·6	0·0	+ 0·11	+ 0·18	+ 0·01	− 0·09	
22	− 11·6	0·0	+ 0·16	+ 0·15	+ 0·01	− 0·05	51 Ceph 70 R. P. L. & 15 Argûs
23	− 11·9	0·0	+ 0·11	+ 0·16	− 0·01	− 0·04	
25	− 12·1	0·0	+ 0·08	+ 0·16	+ 0·02	− 0·01	
26	− 11·5	0·0	+ 0·14	+ 0·28	+ 0·06	0·00	
27	− 11·9	0·0	+ 0·08	+ 0·24	+ 0·03	− 0·01	51 Cep., 70 R. P. L. & λ U. M.
28	− 11·7	0·0	+ 0·15	+ 0·25	+ 0·06	0·00	
Mar. 1	− 11·9	− 0·1	+ 0·24	+ 0·24	+ 0·02	− 0·02	51 Cephei and 150 R. P. L.
2	− 12·4	− 0·1	+ 0·09	+ 0·23	0·00	0·00	
4	− 12·5	− 0·1	+ 0·06	+ 0·24	+ 0·03	+ 0·03	
5	− 12·7	− 0·1	+ 0·11	+ 0·24	+ 0·04	+ 0·05	
6	− 12·6	− 0·1	+ 0·14	+ 0·23	+ 0·01	+ 0·07	49 R. P. L. and λ Urs Min.
7	− 12·0	− 0·1	+ 0·02	+ 0·30	+ 0·02	+ 0·01	51 Cephei and λ Urs. Min.
8	− 12·3	− 0·1	+ 0·24	+ 0·32	+ 0·04	− 0·02	
9	− 12·6	− 0·1	+ 0·28	+ 0·31	+ 0·01	− 0·04	
11	− 11·8	− 0·1	+ 0·17	+ 0·33	+ 0·01	− 0·09	
12	− 11·8	− 0·1	+ 0·19	+ 0·28	− 0·02	− 0·12	60 and 150 R. P. L.
13	− 12·1	− 0·1	+ 0·19	+ 0·30	− 0·02	− 0·12	
14	− 11·8	− 0·1	+ 0·21	+ 0·30	− 0·03	− 0·13	
15	− 12·2	− 0·1	+ 0·10	+ 0·33	+ 0·01	− 0·13	69 R. P. L. and λ Urs. Min.
16	− 11·8	+ 0·2	+ 0·06	+ 0·35	+ 0·02	− 0·13	
18	− 11·6	+ 0·2	+ 0·12	+ 0·34	+ 0·02	− 0·14	
19	− 11·4	+ 0·2	+ 0·07	+ 0·40	+ 0·02	− 0·14	
20	− 12·1	+ 0·2	+ 0·12	+ 0·47	+ 0·02	− 0·14	
21	− 11·7	+ 0·2	+ 0·21	+ 0·43	+ 0·02	− 0·14	
22	− 11·8	+ 0·2	+ 0·19	+ 0·40	+ 0·01	− 0·14	
23	− 11·8	+ 0·2	+ 0·17	+ 0·42	+ 0·02	− 0·14	
25	− 11·4	+ 0·2	+ 0·22	+ 0·39	+ 0·02	− 0·15	
26	− 11·5	+ 0·2	+ 0·23	+ 0·37	+ 0·01	− 0·15	70, 72 R. P. L. & α Hydræ.
28	− 11·4	+ 0·2	+ 0·13	+ 0·44	0·00	− 0·16	
29	− 11·5	+ 0·2	+ 0·21	+ 0·47	+ 0·03	− 0·17	
30	− 11·3	+ 0·2	+ 0·27	+ 0·44	+ 0·01	− 0·18	
Apl. 1	− 11·3	− 0·1	+ 0·20	+ 0·48	− 0·02	− 0·19	87 and 150 R. P. L.
2	− 11·3	− 0·1	+ 0·13	+ 0·49	− 0·01	− 0·20	

Instrumental Corrections adopted in 1867.

Date.		Index.	Run in 5′	Clock Rate.	Inclination.	Collimation.	Meridian.	Determining Stars.
		″	″	s	s	s	s	
Apl.	3	− 11·6	− 0·1	+0·14	+ 0·50	0·00	− 0·21	δ Leonis and Polaris.
	4	− 11·1	− 0·1	+0·16	+ 0·51	+ 0·01	− 0·23	
	5	− 11·9	− 0·1	+0·17	+ 0·51	+ 0·01	− 0·24	
	6	− 11·2	− 0·1	+0·21	+ 0·50	− 0·02	− 0·26	
	8	− 10·7	− 0·1	+0·18	+ 0·57	+ 0·02	− 0·29	
	10	− 11·1	− 0·1	+0·08	+ 0·54	− 0·03	− 0·32	69 and 150 R. P. L.
	11	− 10·8	− 0·1	+0·19	+ 0·59	0·00	− 0·31	
	12	− 11·0	− 0·1	+0·26	+ 0·54	− 0·05	− 0·29	
	13	− 11·2	− 0·1	+0·11	+ 0·59	0·00	− 0·28	
	15	− 10·7	− 0·1	+0·13	+ 0·59	− 0·01	− 0·25	90 and 150 R. P. L.
	16	− 10·4	+ 0·1	+0·16	+ 0·57	− 0·02	− 0·26	
	17	− 10·9	+ 0·1	+0·13	+ 0·55	− 0·03	− 0·28	
	18	− 10·9	+ 0·1	+0·10	+ 0·54	− 0·03	− 0·29	12 Can. Ven. and Polaris.
	19	− 10·9	+ 0·1	+0·12	+ 0·63	+ 0·01	− 0·23	
	22	− 10·4	− 0·1	+0·11	+ 0·64	− 0·04	− 0·04	
	24	− 3·8	+ 0·1	+0·08	+ 0·03	− 0·02	~~+0·08~~	103 R. P. L. and Polaris.
	25	− 4·1	+ 0·1	+0·05	+ 0·08	− 0·01	~~+0·10~~	103 R. P. L. and Polaris.
	26	− 4·3	+ 0·1	+0·06	+ 0·09	− 0·02	+ 0·11	
	27	− 4·3	+ 0·1	+0·06	+ 0·13	+ 0·02	+ 0·11	
	29	− 4·4	+ 0·1	+0·06	+ 0·09	− 0·01	+ 0·12	
	30	− 3·4	+ 0·1	+0·10	+ 0·14	− 0·02	+ 0·13	β Leonis and Polaris.
May	1	− 3·4	− 0·1	+0·11	+ 0·21	+ 0·01	+ 0·18	β Leonis and Polaris.
	2	− 2·9	− 0·1	+0·15	+ 0·21	− 0·01	+ 0·18	
	3	− 3·5	− 0·1	+0·09	+ 0·23	+ 0·03	+ 0·17	87 R. P. L. and Polaris.
	4	− 3·3	− 0·1	+0·10	+ 0·26	+ 0·02	+ 0·18	87 R. P. L. and Polaris.
	6	− 2·7	− 0·1	+0·24	+ 0·27	+ 0·01	+ 0·14	
	7	− 3·6	− 0·1	+0·18	+ 0·27	− 0·02	+ 0·12	87 R. P. L. and Polaris.
	8	− 3·2	− 0·1	+0·14	+ 0·32	0·00	+ 0·12	
	9	− 3·6	− 0·1	+0·17	+ 0·34	+ 0·01	+ 0·12	
	11	− 3·6	− 0·1	+0·13	+ 0·35	− 0·02	+ 0·13	87 R. P. L. and Polaris.
	13	− 3·5	− 0·1	+0·08	+ 0·33	− 0·01	+ 0·12	
	14	− 3·3	− 0·1	+0·15	+ 0·39	+ 0·04	+ 0·11	
	15	− 3·9	− 0·1	+0·13	+ 0·36	− 0·02	+ 0·11	
	16	− 3·6	0·0	+0·03	+ 0·36	− 0·02	+ 0·10	θ Virginis and Polaris.
	18	− 3·5	0·0	+0·06	+ 0·47	+ 0·06	+ 0·10	
	22	− 3·0	0·0	+0·12	+ 0·39	+ 0·01	+ 0·09	
	23	− 2·8	0·0	+0·22	+ 0·42	+ 0·04	+ 0·09	
	24	− 3·7	0·0	+0·21	+ 0·38	+ 0·02	+ 0·09	ψ Bootis and Polaris.
	25	− 2·5	0·0	+0·13	+ 0·43	+ 0·02	+ 0·08	
	27	− 3·2	0·0	+0·18	+ 0·52	+ 0·02	+ 0·07	Arcturus and Polaris.
	28	− 3·5	0·0	+0·14	+ 0·61	+ 0·02	+ 0·11	
	29	− 3·6	0·0	+0·15	+ 0·65	+ 0·03	+ 0·14	
	30	− 3·6	0·0	+0·26	+ 0·66	+ 0·02	+ 0·18	99 R. P. L. and Polaris.
	31	− 3·5	0·0	+0·20	+ 0·66	+ 0·02	+ 0·20	
June	1	− 3·2	0·0	+0·09	+ 0·80	+ 0·05	+ 0·23	111 R. P. L. and Polaris.
	4	− 3·7	0·0	+0·27	+ 0·83	+ 0·02	+ 0·26	
	5	− 3·2	0·0	+0·21	+ 0·75	0·00	+ 0·27	111 R. P. L. and Polaris.
	6	− 3·7	0·0	+0·19	+ 0·77	− 0·02	+ 0·26	
	7	− 3·6	0·0	+0·27	+ 0·80	− 0·01	+ 0·26	
	10	− 3·5	0·0	+0·19	+ 0·74	− 0·08	+ 0·24	
	14	− 2·7	0·0	− 0·08	+ 0·80	− 0·09	+ 0·22	
	15	− 2·7	0·0	− 0·01	+ 0·10	− 0·03	+ 0·22	
	17	− 3·0	0·0	+0·05	+ 0·12	− 0·08	+ 0·21	
	18	− 3·2	0·0	− 0·18	+ 0·21	− 0·01	+ 0·20	
	19	− 3·2	0·0	− 0·33	+ 0·16	− 0·07	+ 0·20	
	20	− 3·7	0·0	− 0·16	+ 0·17	− 0·07	+ 0·19	
	22	− 3·3	0·0	+0·16	+ 0·22	− 0·06	+ 0·18	

April 24.—The index, inclination and meridian corrections adjusted.
June 15.—The inclination correction adjusted.

Instrumental Corrections adopted in 1867.

Date.	Index.	Run in 5′	Clock Rate,	Inclination.	Collimation.	Meridian.	Determining Stars.
	″	″	s	s	s	s	
June 24	− 3·1	0·0	+ 0·11	+ 0·24	− 0·06	+ 0·17	
25	− 3·4	0·0	+ 0·18	+ 0·33	− 0·01	+ 0·17	μ Herculis and 33 R. P. L.
27	− 3·8	0·0	+ 0·29	+ 0·32	− 0·04	+ 0·19	
28	− 3·1	0·0	+ 0·26	+ 0·36	− 0·02	+ 0·20	
July 2	− 3·3	0·0	+ 0·33	+ 0·44	− 0·01	+ 0·23	ψ Bootis and 43 R. P. L.
4	− 3·8	0·0	+ 0·39	+ 0·52	+ 0·04	+ 0·32	δ Urs. Min. and 51 Cephei.
5	− 4·3	0·0	+ 0·42	+ 0·57	+ 0·01	+ 0·31	δ Urs. Min. & 40 R. P. L.
6	− 3·7	0·0	+ 0·37	+ 0·61	+ 0·03	+ 0·30	
8	− 2·8	0·0	+ 0·36	+ 0·56	− 0·01	+ 0·28	
10	− 4·9	0·0	+ 0·37	+ 0·56	− 0·02	+ 0·26	
11	− 4·0	0·0	+ 0·37	+ 0·56	− 0·04	+ 0·25	
12	− 4·1	0·0	+ 0·40	+ 0·58	− 0·03	+ 0·24	
18	− 2·9	0·0	+ 0·23	+ 0·51	− 0·03	+ 0·18	α Lyræ and 51 Cephei.
19	− 2·3	0·0	+ 0·30	+ 0·51	− 0·02	+ 0·18	
20	− 2·8	0·0	+ 0·42	+ 0·49	− 0·03	+ 0·18	
23	− 3·6	0·0	+ 0·22	+ 0·71	− 0·02	+ 0·18	
25	− 2·4	0·0	+ 0·28	+ 0·75	− 0·03	+ 0·18	λ Urs. Min. and δ Aquilæ.
27	− 3·0	0·0	+ 0·30	+ 0·77	− 0·02	+ 0·17	
30	− 3·0	0·0	+ 0·26	+ 0·83	− 0·04	+ 0·16	δ Urs. Min. & θ Ophiuchi.
31	− 3·0	0·0	+ 0·22	+ 0·84	− 0·03	+ 0·16	
Aug. 3	− 4·1	− 0·2	+ 0·20	+ 0·95	+ 0·01	+ 0·17	
6	− 3·2	− 0·2	+ 0·32	+ 0·98	− 0·03	+ 0·17	δ Urs. Min. and 51 Cephei.
7	− 3·2	− 0·2	+ 0·39	+ 1·01	− 0·02	+ 0·17	
8	− 3·7	− 0·2	+ 0·39	+ 0·03	− 0·04	+ 0·17	
10	− 3·3	− 0·2	+ 0·24	+ 0·02	− 0·06	+ 0·16	β Lyræ and 51 Cephei.
14	− 3·4	− 0·2	+ 0·15	+ 0·06	− 0·01	+ 0·15	
15	− 3·7	− 0·2	+ 0·22	+ 0·07	0·00	+ 0·14	
16	− 3·4	− 0·2	+ 0·30	+ 0·06	0·00	+ 0·14	
20	− 4·0	− 0·2	+ 0·23	+ 0·12	+ 0·02	+ 0·13	δ Urs. Min. and ω Aquilæ.
21	− 3·7	− 0·2	+ 0·29	+ 0·16	0·00	+ 0·13	
23	− 3·7	− 0·2	+ 0·25	+ 0·13	− 0·05	+ 0·13	
24	− 3·5	− 0·2	+ 0·18	+ 0·18	0·00	+ 0·13	
26	− 2·3	− 0·2	+ 0·14	+ 0·13	− 0·03	+ 0·13	
27	− 3·1	− 0·2	+ 0·15	+ 0·16	− 0·02	+ 0·13	λ Urs. Min. and 51 Cephei.
28	− 2·5	− 0·2	+ 0·20	+ 0·26	+ 0·07	+ 0·14	
Sep. 6	− 2·2	− 0·2	+ 0·22	+ 0·25	− 0·03	+ 0·15	λ Urs. Min. and 60 R. P. L.
10	− 2·0	− 0·2	+ 0·26	+ 0·24	+ 0·01	+ 0·17	
11	− 1·7	− 0·2	+ 0·28	+ 0·21	− 0·01	+ 0·18	
13	− 2·1	− 0·2	+ 0·18	+ 0·20	− 0·02	+ 0·19	
16	− 1·8	− 0·1	+ 0·01	+ 0·21	+ 0·03	+ 0·20	
17	− 1·8	− 0·1	+ 0·09	+ 0·23	+ 0·05	+ 0·21	Polaris and 93 R. P. L.
19	− 0·7	− 0·1	+ 0·19	+ 0·22	0·00	+ 0·21	
20	− 1·0	− 0·1	+ 0·14	+ 0·20	+ 0·01	+ 0·21	
23	+ 0·3	− 0·1	+ 0·38	+ 0·30	+ 0·02	+ 0·20	
24	− 1·1	− 0·1	+ 0·38	+ 0·28	+ 0·01	+ 0·20	150 and 72 R. P. L.
26	− 1·3	− 0·1	+ 0·25	+ 0·28	+ 0·04	+ 0·20	
27	− 1·2	− 0·1	+ 0·20	+ 0·25	+ 0·03	+ 0·20	
30	− 1·1	− 0·1	+ 0·20	+ 0·37	+ 0·06	+ 0·20	
Oct. 1	− 2·0	0·0	+ 0·10	+ 0·37	− 0·01	+ 0·20	150 and 69 R. P. L.
2	− 1·3	0·0	+ 0·11	+ 0·43	+ 0·02	+ 0·19	
3	− 1·6	0·0	+ 0·39	+ 0·46	+ 0·03	+ 0.17	
4	− 1·2	0·0	+ 0·43	+ 0·35	− 0·05	+ 0·16	Polaris and Fomalhaut.
5	− 1·7	0·0	+ 0·26	+ 0·44	+ 0·01	+ 0·16	
7	− 1·5	0·0	+ 0·12	+ 0·45	− 0·01	+ 0·16	
8	− 1·6	0·0	+ 0·07	+ 0·42	− 0·02	+ 0·16	150 and 72 R. P. L.

Aug. 8.—The inclination correction adjusted.

Instrumental Corrections adopted in 1867.

Date.	Index.	Run in 5′	Clock Rate.	Inclination.	Collimation.	Meridian.	Determining Stars.
	″	″	s	s	s	s	
Oct. 9	− 2·3	0·0	+ 0·06	+ 0·50	+ 0·01	+ 0·14	
10	− 1·9	0·0	+ 0·11	+ 0·44	0·00	+ 0·13	
14	− 0·9	0·0	− 0·07	+ 0·34	− 0·04	+ 0·07	26 R.P.L. and δ Sculptoris.
15	− 1·0	0·0	− 0·03	+ 0·43	− 0·03	+ 0·09	
16	− 0·9	− 0·1	+ 0·07	+ 0·50	+ 0·04	+ 0·11	
18	− 0·4	− 0·1	+ 0·12	+ 0·41	− 0·01	+ 0·16	
19	+ 0·5	− 0·1	+ 0·17	+ 0·38	+ 0·01	+ 0·18	Polaris and Achernar.
21	− 0·4	− 0·1	+ 0·19	+ 0·37	+ 0·01	+ 0·18	
22	0·0	− 0·1	+ 0·22	+ 0·38	+ 0·02	+ 0·19	
24	0·0	− 0·1	+ 0·31	+ 0·40	+ 0·02	+ 0·19	
25	0·0	− 0·1	+ 0·21	+ 0·41	+ 0·02	+ 0·19	
26	− 0·2	− 0·1	+ 0·13	+ 0·42	+ 0·04	+ 0·19	
28	+ 0·9	− 0·1	+ 0·07	+ 0·37	− 0·01	+ 0·20	
29	+ 0·5	− 0·1	− 0·07	+ 0·37	+ 0·02	+ 0·20	Polaris and Achernar.
30	+ 0·5	− 0·1	− 0·09	+ 0·38	0·00	+ 0·21	
31	− 0·9	− 0·1	− 0·01	+ 0·36	+ 0·03	+ 0·21	
Nov. 1	+ 0·1	+ 0·1	− 0·19	+ 0·32	− 0·05	+ 0·22	
2	+ 1·5	+ 0·1	− 0·33	+ 0·30	0·00	+ 0·23	153 and 87 R. P. L.
4	− 0·7	+ 0·1	+ 0·03	+ 0·31	+ 0·02	+ 0·22	
5	+ 0·1	+ 0·1	+ 0·04	+ 0·26	− 0·03	+ 0·22	
6	+ 0·4	+ 0·1	+ 0·08	+ 0·34	+ 0·02	+ 0·21	ε Piscium and 99 R. P. L.
7	+ 0·7	+ 0·1	− 0·08	+ 0·29	− 0·01	+ 0·21	
8	+ 0·2	+ 0·1	− 0·23	+ 0·34	+ 0·01	+ 0·21	
11	− 1·6	+ 0·1	+ 0·03	+ 0·37	+ 0·04	+ 0·20	Polaris and 99 R. P. L.
12	+ 1·2	+ 0·1	+ 0·04	+ 0·36	+ 0·01	+ 0·20	
13	− 1·5	+ 0·1	+ 0·19	+ 0·33	0·00	+ 0·21	
14	− 0·8	+ 0·1	+ 0·06	+ 0·36	+ 0·01	+ 0·22	
15	− 0·4	+ 0·1	− 0·03	+ 0·41	+ 0·06	+ 0·22	Polaris and 92 R.P.L.
16	− 1·0	+ 0·1	+ 0·11	+ 0·32	+ 0·01	+ 0·15	Polaris and 101 R. P. L.
18	− 1·8	+ 0·1	+ 0·12	+ 0·32	+ 0·01	+ 0·13	
20	− 2·1	+ 0·1	+ 0·05	+ 0·34	− 0·01	+ 0·10	
21	− 2·5	+ 0·1	− 0·11	+ 0·33	− 0·03	+ 0·09	Polaris and 101 R. P. L.
22	− 2·3	+ 0·1	− 0·04	+ 0·34	− 0·02	+ 0·08	
23	− 1·5	+ 0·1	+ 0·10	+ 0·30	− 0·03	+ 0·07	
26	− 0·8	+ 0·1	+ 0·08	+ 0·37	+ 0·01	+ 0·05	
29	+ 0·7	+ 0·1	+ 0·14	+ 0·32	0·00	+ 0·02	
Dec. 2	+ 3·0	+ 0·3	+ 0·07	+ 0·13	− 0·03	0·00	Polaris and ξ² Ceti.
4	+ 5·1	+ 0·3	+ 0·27	− 0·05	− 0·06	0·00	
5	+ 5·6	+ 0·3	+ 0·22	− 0·09	− 0·06	0·00	
6	+ 5·3	+ 0·3	+ 0·11	− 0·13	− 0·04	~~0·00~~	Polaris and 103 R. P. L.
7	+ 5·5	+ 0·3	+ 0·18	− 0·13	− 0·02	− 0·02	26 R.P.L. and γ Ceti.
9	+ 5·3	+ 0·3	+ 0·10	− 0·21	− 0·04	+ 0·02	
10	+ 5·4	+ 0·3	+ 0·07	− 0·19	+ 0·01	+ 0·03	
11	+ 5·3	+ 0·3	+ 0·10	− 0·25	− 0·01	+ 0·05	Polaris and 67 Ceti.
12	+ 5·1	+ 0·3	− 0·01	− 0·26	− 0·01	+ 0·05	
13	+ 4·6	+ 0·3	− 0·07	− 0·28	+ 0·01	+ 0·06	
14	+ 4·0	+ 0·3	− 0·06	− 0·33	− 0·03	+ 0·06	33 and 114 R. P. L.
16	+ 4·0	0·0	− 0·14	− 0·33	0·00	+ 0·10	51 Cephei and Canopus.
17	+ 4·2	0·0	− 0·29	− 0·35	− 0·01	+ 0·12	
18	+ 2·4	0·0	− 0·34	− 0·37	+ 0·03	+ 0·13	
19	+ 3·0	0·0	− 0·13	− 0·36	+ 0·04	+ 0·15	40 and 115 R. P. L.
20	+ 2·9	0·0	− 0·06	− 0·39	+ 0·01	+ 0·15	
21	+ 3·0	0·0	− 0·03	− 0·43	+ 0·01	+ 0·14	
24	+ 2·3	0·0	+ 0·05	− 0·41	+ 0·02	+ 0·13	
27	+ 1·7	0·0	+ 0·04	− 0·40	+ 0·02	+ 0·11	
30	+ 0·7	+ 0·3	+ 0·03	− 0·39	+ 0·02	+ 0·10	35 R.P.L. and 67 Ceti.

Nov. 30 and Dec. 1.—Heavy rain.

Corrections to the Nautical Almanac Stars as given by the Madras Mean Positions.

Star.	Approximate Place 1866.		1865.			1866.			1867.		
			Obs.	R. A.	P. D.	Obs.	R. A.	P. D.	Obs.	R. A.	P. D.
	h.	*m.*	° ′		*s*	″		*s*	″		*s*	″
α Andromedæ ...	0	1	61 39	4	+ 0·03	+ 0·7	8	+ 0·02	+ 1·0	3	+ 0·06	+ 0·6
γ Pegasi (*Algenib*) ...	0	6	75 34	7	+ 0·02	+ 0·6	7	0·00	− 0·2	4	0·00	+ 0·7
12 Ceti	0	23	94 42	11	− 0·02	+ 0·9	7	− 0·01	− 0·1	8	− 0·03	+ 1·3
α Cassiopeæ	0	33	34 12	2	− 0·16	+ 1·9	2	− 0·08	+ 0·4	...	.....	.....
β Ceti	0	37	108 43	7	+ 0·06	0·0	5	+ 0·03	− 0·3	7	+ 0·04	+ 0·2
ε Piscium	0	56	82 50	13	− 0·06	+ 0·5	5	− 0·06	− 0·9	7	− 0·10	+ 0·6
α Urs. Min. (*Polaris*) .	1	10	1 24	11	− 0·53	+ 1·3	5	− 0·17	− 0·6	12	− 0·59	+ 0·8
θ^1 Ceti	1	17	98 53	6	0·00	+ 1·1	7	+ 0·03	+ 0·1	8	+ 0·01	+ 0·4
η Piscium	1	24	75 21	9	+ 0·06	+ 1·9	5	0·00	+ 0·3	10	+ 0·02	+ 0·3
α Eridani (*Achernar*).	1	33	147 55	5	+ 0·30	+ 3·0	2	+ 0·16	+ 1·2	2	+ 0·37	+ 3·4
ν Piscium	1	34	85 11	9	0·00	+ 1·1	9	0·00	+ 0·1	8	+ 0·02	0·0
β Arietis	1	47	69 51	8	+ 0·03	+ 1·9	6	+ 0·04	+ 1·2	10	− 0·01	+ 0·7
α Arietis	2	0	67 10	11	− 0·01	+ 1·7	9	− 0·04	+ 0·7	10	− 0·01	+ 1·4
67 Ceti	2	10	97 2	12	+ 0·03	+ 0·9	6	+ 0·05	+ 0·7	9	+ 0·06	+ 0·4
ξ^2 Ceti	2	21	82 9	11	− 0·03	− 0·1	6	+ 0·01	− 0·1	16	− 0·02	− 0·9
γ Ceti	2	36	87 20	9	+ 0·03	+ 0·7	2	− 0·07	+ 0·1	9	0·00	− 1·4
α Ceti	2	55	86 26	7	+ 0·05	+ 0·8	2	+ 0·07	+ 0·2	4	+ 0·05	− 0·2
δ Arietis	3	4	70 47	8	− 0·05	+ 2·1	4	− 0·06	+ 2·2	6	0·00	+ 1·6
α Persei	3	15	40 37	1	− 0·18	+ 0·6	1	− 0·16	− 0·2	1	− 0·01	+ 0·1
η Tauri	3	40	66 19	4	0·00	+ 2·2	3	− 0·05	+ 1·3	11	+ 0·02	+ 0·4
γ^1 Eridani	3	52	103 54	6	+ 0·05	+ 1·0	4	+ 0·09	− 0·7	12	+ 0·02	+ 0·5
o^1 Eridani	4	5	97 11	7	− 0·03	+ 2·1	5	− 0·02	+ 0·6	2	+ 0·04	+ 1·7
ε Tauri	4	21	71 7	12	− 0·01	+ 1·8	8	+ 0·01	+ 1·3	11	− 0·01	+ 0·9
α Tauri (*Aldebaran*)...	4	28	73 46	8	− 0·03	+ 2·3	8	− 0·05	+ 1·4	12	− 0·01	+ 1·2
ι Aurigæ	4	48	57 3	3	− 0·09	+ 1·9	5	+ 0·02	+ 0·8	13	− 0·01	+ 0·8
ε Leporis	5	0	112 33	4	+ 0·12	+ 0·6	7	+ 0·10	+ 0·6	8	+ 0·05	+ 1·0
α Aurigæ (*Capella*) ...	5	7	44 9	1	− 0·09	+ 0·3	2	− 0·09	+ 1·0	3	+ 0·04	+ 0·7
β Orionis (*Rigel*) ...	5	8	98 22	2	+ 0·06	+ 0·4	3	+ 0·03	+ 0·5	4	+ 0·04	+ 1·3
β Tauri	5	18	61 31	5	− 0·01	+ 0·6	9	+ 0·03	+ 0·7	12	+ 0·02	+ 0·9
δ Orionis	5	25	90 24	2	0·00	+ 0·8	7	− 0·01	+ 1·0	9	− 0·03	+ 0·6
α Leporis	5	27	107 55	5	+ 0·05	+ 1·2	4	− 0·05	+ 1·1	5	− 0·10	+ 1·1
ε Orionis	5	29	91 17	3	+ 0·07	+ 0·7	3	+ 0·08	+ 1·6	4	+ 0·07	+ 1·3
α Columbæ	5	35	124 9	8	− 0·12	+ 2·6	4	− 0·14	+ 2·7	8	− 0·09	+ 2·7
α Orionis	5	48	82 37	9	+ 0·04	+ 0·4	2	− 0·01	− 0·2	7	+ 0·02	− 0·4
ν Orionis	6	0	75 13	9	0·00	+ 1·0	3	− 0·02	+ 0·4	9	− 0·02	+ 0·7
μ Geminorum ...	6	15	67 25	6	+ 0·01	+ 1·4	5	− 0·03	+ 1·1	8	− 0·02	+ 1·3

Corrections to the Nautical Almanac Stars as given by the Madras Mean Positions.

Star.	Approximate Place 1866.			1865.			1866.			1867.		
				Obs.	R. A.	P. D.	Obs.	R. A.	P. D.	Obs.	R. A.	P. D.
	h	*m*	° ′		*s*	″		*s*	″		*s*	″
β Corvi	12	27	112 39	9	+ 0·16	− 0·1	8	+ 0·17	− 0·1	4	+ 0·09	+ 0·3
γ^1 Virginis	12	35	90 43	3	− 0·08	− 3·2	4	0·00	− 3·0	8	− 0·08	− 3·7
12 Canum Venaticor..	12	50	50 57	12	0·00	+ 0·5	1	+ 0·11	+ 0·8	7	+ 0·02	+ 0·2
θ Virginis	13	3	94 49	12	− 0·01	+ 0·9	6	− 0·01	− 0·3	14	− 0·01	+ 0·9
α Virginis (*Spica*) ...	13	18	100 28	17	+ 0·01	+ 0·6	5	0·00	+ 0·5	10	− 0·06	− 0·1
3 Virginis	13	28	89 55	11	− 0·07	+ 1·6	4	− 0·01	+ 1·4	11	− 0·01	+ 1·7
η Ursæ Majoris ..	13	42	40 1	3	− 0·01	− 0·4	...	.....	.....	...	.....	.....
η Bootis	13	48	70 56	10	+ 0·01	+ 0·7	5	+ 0·01	− 0·4	9	− 0·01	+ 0·7
β Centauri	13	54	149 43	1	+ 0·11	+ 1·3	2	+ 0·33	+ 1·0	1	+ 0·23	+ 1·3
τ Virginis	13	55	87 48	6	+ 0·02	− 0·9	11	+ 0·01	+ 0·6	12	+ 0·03	− 0·2
α Bootis (*Arcturus*) ...	14	10	70 7	13	+ 0·03	+ 0·9	11	+ 0·08	+ 1·6	14	+ 0·04	+ 1·4
ρ Bootis	14	26	59 2	15	− 0·08	+ 0·8	5	− 0·12	+ 2·4	11	− 0·05	+ 1·4
α Centauri	14	31	150 17	5	− 1·04	+ 16·4	3	− 0·95	+ 16·3	...	.....	.....
ε Bootis	14	39	62 22	11	+ 0·03	− 0·2	4	− 0·04	+ 1·7	6	·0·00	0·0
α^2 Libræ	14	43	105 29	11	− 0·01	− 0·1	4	− 0·02	+ 0·5	6	+ 0·01	+ 0·5
β Ursæ Minoris ...	14	51	15 18	1	+ 0·08	− 2·4	...	.....	.....	1	+ 0·24	− 1·7
ψ Bootis	14	59	62 32	5	− 0·07	+ 1·3	5	− 0·08	+ 2·2	3	− 0·11	+ 0·8
β Libræ	15	10	98 53	9	0·00	0·0	8	− 0·02	+ 0·4	5	+ 0·01	+ 0·2
α Coronæ Borealis ...	15	29	62 50	7	+ 0·03	+ 0·1	4	+ 0·05	+ 2·0	4	+ 0·03	+ 1·1
α Serpentis	15	38	83 9	5	+ 0·09	0·0	2	0·00	+ 1·4	10	+ 0·03	− 0·2
3 Ursæ Minoris ...	15	49	11 48	...	.....	.....	1	+ 0·33	− 0·7	..	.....	.....
β^1 Scorpii	15	58	109 26	4	− 0·02	+ 0·3	5	− 0·02	+ 0·8	7	+ 0·01	+ 0·6
δ Ophiuchi	16	7	93 21	3	− 0·03	+ 1·0	5	+ 0·07	+ 1·8	2	+ 0·04	+ 1·2
α Scorpii (*Antares*) ...	16	21	116 8	2	+ 0·02	− 0·1	4	+ 0·03	+ 0·1	1	+ 0·05	− 1·0
η Draconis	16	22	28 11	...	.....	.....	1	− 0·63	+ 0·1	...	.....	.....
α Trianguli Australis.	16	35	158 47	1	+ 0·18	+ 1·3	1	− 0·05	+ 3·5	...	.....	.....
3 Herculis	16	36	58 9	4	+ 0·06	+ 1·3	5	− 0·05	+ 0·7	3	− 0·09	+ 1·6
κ Ophiuchi	16	51	80 25	4	− 0·09	+ 0·3	4	− 0·12	+ 0·5	3	− 0·09	+ 0·4
ε Ursæ Minoris ...	17	0	7 45	2	− 0·90	+ 2·0	3	− 0·28	+ 3·4	2	− 0·03	+ 4·1
α Herculis	17	9	75 27	8	+ 0·03	+ 0·7	2	+ 0·05	+ 0·8	3	+ 0·02	+ 1·1
θ Ophiuchi	17	14	114 52	3	0·00	+ 2·5	5	+ 0·07	+ 1·8	4	+ 0·03	+ 2·3
β Draconis	17	27	37 36	...	.....	.....	...	.....	.....	1	− 0·04	+ 0·3
α Ophiuchi	17	29	77 20	4	− 0·02	+ 0·7	8	0·00	+ 0·6	8	0·00	+ 1·2
μ Herculis	17	41	62 12	7	− 0·04	+ 0·4	4	+ 0·05	− 0·2	6	+ 0·02	+ 0·5
γ Draconis	17	53	38 30	1	− 0·24	+ 1·1	3	+ 0·01	− 0·6	...	.....	.....
μ^1 Sagittarii... ...	18	6	111 5	7	+ 0·05	+ 0·4	10	+ 0·08	+ 0·1	9	− 0·01	+ 0·6

Corrections to the Nautical Almanac Stars as given by the Madras Mean Positions.

Star.	Approximate Place 1866.		1865.			1866.			1867.		
			Obs.	R. A.	P. D.	Obs.	R. A.	P. D.	Obs.	R. A.	P. D.
	h. *m.*	° ′		*s*	″		*s*	″		*s*	″
δ Ursæ Minoris ...	18 16	3 24	5	+ 0·01	− 0·4	4	+ 0·27	− 0·4	4	+ 0·14	− 1·5
α Lyræ (*Vega*) ...	18 32	51 20	5	+ 0·02	+ 1·2	8	− 0·03	+ 1·2	5	− 0·02	+ 0·4
β Lyræ	18 45	56 47	7	+ 0·03	+ 0·4	5	+ 0·02	+ 0·3	13	− 0·01	+ 0·4
3 Aquilæ	18 59	76 20	8	+ 0·06	+ 1·0	5	+ 0·05	+ 0·9	12	+ 0·06	+ 1·3
ω Aquilæ	19 12	78 39	7	− 0·04	− 0 2	2	− 0·01	0·0	6	− 0·02	− 0·4
δ Aquilæ	19 19	87 9	8	− 0·02	+ 0·7	9	− 0·03	+ 0·7	7	− 0·02	+ 0·5
h^2 Sagittarii... ...	19 29	115 11	5	+ 0·10	+ 1·9	5	+ 0·06	+ 1·8	2	+ 0·05	+ 2·4
γ Aquilæ	19 40	79 43	5	− 0·08	+ 0·8	5	+ 0·01	+ 0·4	6	− 0·02	+ 0·3
α Aquilæ (*Altair*) ...	19 44	81 29	6	− 0·04	0·0	4	− 0·03	+ 0·1	4	− 0·05	− 0·4
β Aquilæ	19 49	83 56	3	− 0·06	+ 0·3	4	− 0·07	+ 0·7	7	0·00	+ 0·2
λ Ursæ Minoris ...	19 58	1 6	2	− 0·64	− 0·4	4	− 0·53	+ 1·9	6	− 0·57	− 0·1
a^2 Capricorni ...	20 11	102 57	8	− 0·01	0·0	6	− 0·01	+ 0·1	5	0·00	+ 0·3
α Pavonis	20 15	147 10	2	− 0·38	+ 3·1	1	− 0·27	+ 1·5	...	.....	.....
ρ Capricorni	20 21	108 15	5	+ 0·05	+ 0·5	13	+ 0·12	+ 0·7	9	+ 0·09	+ 1·3
α Cygni	20 37	45 12	5	+ 0·05	+ 0·4	4	+ 0·03	+ 0·5	4	− 0·01	+ 1·7
32 Vulpeculæ ...	20 49	62 27	6	− 0·09	+ 0·4	8	− 0·05	+ 0·7	9	− 0·02	+ 1·2
61^1 Cygni	21 1	51 54	3	+ 0·13	+ 0·6	3	+ 0·24	− 0·3	3	+ 0·20	+ 1·6
3 Cygni	21 7	60 19	5	− 0·03	+ 0·8	14	− 0·02	0·0	8	− 0·01	+ 0·7
α Cephei	21 15	27 59	2	− 0·14	− 2·5	2	− 0·13	− 1·2	...	.....	.....
β Aquarii	21 25	96 10	7	+ 0·09	+ 1·3	9	+ 0·05	+ 0·9	7	+ 0·08	+ 0·8
β Cephei	21 27	20 2	1	+ 0·20	− 1·9	2	+ 0·16	− 1·1	...	.....	.....
ε Pegasi	21 38	80 44	4	− 0·04	+ 1·1	7	− 0·01	0·0	8	− 0·09	0·0
16 Pegasi	21 47	64 42	3	0·00	+ 1·1	4	− 0·07	+ 0·7	4	− 0·09	+ 0·7
α Aquarii	21 59	90 58	6	+ 0·03	+ 0·6	9	+ 0·04	+ 0·1	4	+ 0·02	+ 0·4
α Gruis	22 0	137 37	1	+ 0·01	+ 2·8	1	+ 0·04	+ 2·4	...	.....	.....
θ Aquarii	22 10	98 27	10	+ 0·01	+ 1·1	7	− 0·07	+ 1·2	8	− 0·04	+ 1·1
η Aquarii	22 28	90 48	9	+ 0·01	+ 1·2	6	0·00	+ 1·3	4	+ 0·01	+ 0·8
3 Pegasi	22 35	79 52	11	+ 0·08	+ 1·1	5	+ 0·04	+ 0·8	11	+ 0·05	+ 0·6
α Pis. Aus. (*Fomalhaut*)	22 50	120 20	3	+ 0·14	+ 0·7	6	+ 0·08	+ 1·2	4	0·00	+ 0·5
α Pegasi (*Markab*) ...	22 58	75 31	12	0·00	+ 1·8	3	+ 0·01	+ 1·2	5	− 0·02	+ 1·3
γ Piscium	23 10	87 27	12	− 0·03	+ 0·2	9	0·00	+ 0·9	10	+ 0·01	+ 0·3
κ Piscium	23 20	89 29	13	− 0·02	+ 0·9	7	− 0·01	+ 0·5	9	+ 0·03	+ 0·7
ι Piscium	23 33	85 6	11	− 0·06	+ 0·2	6	− 0·07	− 0·4	9	− 0·01	− 0·2
γ Cephei	23 34	13 7	...	.....	.....	2	+ 0·22	− 2·2	...	.....	.....
δ Sculptoris	23 42	118 52	5	+ 0·02	+ 1·9	4	− 0·02	+ 1·8	4	− 0·03	+ 2·3
ω Piscium	23 52	83 53	9	− 0·02	+ 0·6	2	+ 0·03	− 0·2	3	− 0·03	+ 0·2

Page	No.	Date and Subject.	For	Read
		In Separate Results for 1865.		
2	1	.... Star ..	Taylor 11011	Taylor 11010
,,	16	Nov. 10 Sec. of R. A. ..	5·66	4·63
3	20	.... Star ...	Lacaille 18	Lacaille 81
,,	23	Nov. 6 Date ..	Nov. 8	Nov. 3
,,	26	,, 13 Sec. of R. A. ..	29·37	29·39
4	44	Oct. 26 Min. of R. A. ..	56	55
6	68	.... Star ..	V Pisc. Var. 5	Anon.
12	189	Jan. 7 Min. of P. D ..	2	3
,,	184	,, 28 Min. & Sec. of P.D.	44 36·6	43 36·2
,,	,,	,, 30 ,,	44 38·6	43 38·3
13	186	,, 9 ,,	4 20·1	3 19·7
,,	194	,, 19 ,,	30 18·7	29 18·4
21	350	Mar. 11 Sec. of R. A. ..	34·66	33·66
27	454	,, 18 Min. of P. D. ..	35	34
38	656	May 22 Sec. of P. D. ..	14·1	20·3
40	692	,, 27 Min. of P. D. ..	24	23
41	709	June 3 Sec. of P. D. ..	58·1	59·4
,,	722	,, 3 ,, ..	21·1	23·6
45	775	July 1 Sec. of R. A. ..	36·66	34·71
,,	,,	,, 1 Sec. of P. D. ..	25·5	13·4
48	835	,, 15 Sec. of R. A. ..	41·86	39·22
,,	,,	,, 15 Sec. of P. D. ..	28·1	18·9
51	948	.... Star ..	Lacaille 8630	Anon.
		In Mean Positions for 1865.		
62	16	Sec. of Mean R. A. ..	5·66	4·63
,,	28	Star ..	13 Cas. α Var. 2	18 Cas. α Var. 2
,,	34	Estimations ..	1	....
64	45	Hour of Mean R. A. ..	1	0
,,	68	Star, (erase foot-note also.)	V Pisc. Var. 5	....
65	49	Sec. Var. in R. A. ..	13·4056	13·4033
68	139	Min. of Mean P. D. ..	58	53
72	184	Min. & Sec. of Mean P D.	44 37·6	43 37·3
,,	186	..	4 20·1	3 19·7
73	184	Ann. Prec. in R. A. ..	0·3222	0·3243
78	307	Sec. of Mean R. A. ..	2·70	2·95
79	294	Ann. Prec. in P. D. ..	4·565	4·580
80	350	Sec. of Mean R. A. ..	34·66	33·66
86	454	Min. of Mean P. D. ..	35	34
94	575	Hour of Mean R. A. (also in next four lines.) ..	10	11
96	627	Min. of Mean P. D. ..	42	22
98	639	,, ..	27	21
,,	656	Sec. of Mean P. D. ..	14·1	20·9
100	692	Min. of Mean P. D. ..	24	23
102	709	Sec. of Mean P. D. ..	58·1	59·4
,,	722	,, ..	21·1	23·6
103	706	Ann. Prec. in R. A. ..	2·7084	2·4084
104	738	Hour of Mean R. A. ..	18	13
,,	742	Sec. of Mean P. D. ..	20·8	24·2
,,	762	Magnitude ..	3·5	1·0
,,	763	,, ..	1·0	3·5
106	775	Sec. of Mean R. A. ..	36·66	34·71
,,	,,	Sec. of Mean P. D. ..	25·5	13·4
107	,,	Ann. Prec. in R. A. ..	3·2312	4·0621
,,	,,	Sec. Var. in R. A. ..	0·0699	0·0883
,,	,,	Sec. Var. in P. D. ..	0·321	0·460
109	835	Sec. of Mean R. A. ..	41·86	39·22
,,	,,	Sec. of Mean P. D. ..	28·1	18·9
110	864	Min. of Mean P. D. ..	21	20
115	917	Ann. Prec. in R. A. ..	57·6046	57·5932
,,	,,	Sec. Var. in R. A. ..	29·8483	29·8453
116	948	Star :—(also on page 117.)	Lacaille 8630	....
		In Separate Results for 1866.		
126	12	Oct. 30 Sec. of R. A. ..	54·62	53·49
127	36	Apl. 20 ,, ..	14·94	13·54
135	168	Jan. 10 Min. & Sec. of P.D.	56 48·6	57 14·0
136	198	Feb. 5 Sec. of R A, ..	26·75	26·65
140	269	Jan. 30 Min. & Sec. of P.D.	38 25·4	37 25·3
142	301	Feb. 22 Sec. of R. A. ..	32 71	22·71
144	335	Jan. 16 Min. of P. D. ..	11	10
,,	343	.... Star ..	Taylor 3133	Anon.
147	386	Feb. 14 Min. & Sec. of P.D	5 3·4	4 52·9

Page.	No.	Date and Subject.	For	Read
153	488	Apl. 12 Sec. of R. A. ..	37·75	37·42
154	512	,, 18 ,, ..	17·54	13·54
156	536	,, 23 ,, ..	29·95	30·00
159	597	Mar. 16 ,, ..	20·33	13·44
162	646	Apl. 25 Degrees of P. D.	3	2
164	691	June 9 Min. & Sec. of R. A.	25 3·86	24 56·41
171	804	Aug. 16 Sec. of P. D. ..	28·4	38·4
173	845	Sep. 10 Sec. of R. A. ..	27·62	28·28
174	850	,, 18 ,, ..	37·30	38·13
176	857	,, 18 Degrees of P. D..	81	80
		In Mean Positions for 1866.		
182	12	Sec. of Mean R. A. ..	54·62	53·49
190	168	Min. & Sec. of Mean P. D.	56 48·6	57 14·0
192	198	Sec. of Mean R. A. ..	26·60	26·55
196	269	Min. & Sec. of Mean P. D.	38 25·4	37 25·3
220	670	Star:—(also on page 221,)	Canis Ven.	Canum Ven.
228	832	Min. of Mean R. A. ..	25	28
230	875	Degrees of Mean P. D. ..	61	60
232	881	Min. of Mean R. A.	14	24
,,	887	Degrees of Mean P. D ..	81	80
,,	891	Min. of Mean R. A. ..	16	46
,,	901	Degrees of Mean P. D. ..	9	98
234	939	Min. of Mean R. A. ..	38	33
		In Separate Results for 1867.		
242	49	Dec. 4 Sec. of R. A. ..	16·50	15·64
244	69	,, 9 Min. of P. D. ..	53	23
,,	74	,, 18 Min. & Sec. of P D.	35 1·1	33 21·1
249	165	Jan. 10 Min of P. D. ..	20	28
250	179	,, 4 Sec. of R. A. ..	43·66	44·51
252	210	Feb. 13 ,, ..	4·49	4·44
,,	211	Jan. 28 ,, ..	39·05	39·32
255	271	,, 9 ,, ..	4·13	4·98
256	281	Feb. 23 ,, ..	0·05	0·10
273	594	.... Star ..	W.B.R. XI. 579	W.B.R. XI. 597
275	618	Apl. 19 Sec. of R. A. ..	38·00	33·07
276	628	,, 19 ,, ..	38·64	38·98
,,	642	,, 25 Sec. of P. D. ..	40·6	31·5
278	662	May 27 Sec. of R. A. ..	43·62	53 02
279	678	Apl. 19 ,, ..	36·56	36·60
,,	686	,, 22 ,, ..	2·61	2·58
280	706	,, 22 ,, ..	5·79	5·72
281	712	May 25 ,, ..	6·25	6·45
,,	715	Apl. 22 ,, ..	10·65	10·60
,,	720	June 24 ,, ..	44·57	43·98
282	733	Apl. 22 ,, ..	51·13	51·24
,,	738	July 4 ,, ..	42·91	42·65
285	790	Apl. 22 ,, ..	4·56	4·72
,,	793	Aug. 10 ,, ..	38 63	39·03
286	807	Apl. 22 ,, ..	45·60	45·68
,,	811	,, 22 ,, ..	27·75	27·93
,,	823	Aug. 21 Min. & Sec. of P D.	17 44·9	48 1·8
287	831	July 31 Sec. of R. A. ..	14·79	4·79
289	863	Feb. 27 ,, ..	15·52	14·51
,,	865	.... Star ..	S Cygni Var. 4	O. A. N. 20046
,,	866	.... ,, ..	S Aquilæ Var. 4	Anon.
293	938	Oct. 5 Sec. of P. D. ..	2·7	2·9
295	971	,, 31 Min. & Sec. of P D.	10 42·7	11 9·6
		In Mean Positions for 1867.		
316	301	Sec. of Mean R. A. ..	9·90	9·94
318	334	,, ..	23·94	22·84
324	454	,, ..	32·04	32·01
326	480	,, ..	54·83	54·82
328	493	,, ..	50·58	50·65
330	535	Sec. of Mean P. D. ..	8·2	7·8
,,	536	,, ..	2·6	3·0
342	743	Star ..	5 Gav. Bar.	5 Cor. Bor.
348	863	Sec. of Mean R. A. ..	13·56	13·39

ADDITIONAL ERRATA IN THE PREVIOUS VOLUME.

Page.	No.	Date and Subject.	For	Read
		In Separate Results for 1862.		
8	40	Sep. 30 Sec. of P. D. ..	3·0	2·9
14	102	June 5 Sec. of R. A. ..	11·73	11·79
18	147	Aug. 16 ,, ..	16·50	15·49
		In Mean Positions for 1862.		
32	40	Sec. of Mean P. D. ..	2·8	2·7
38	147	Sec. of Mean R. A ..	16·50	15·49
39	,,	Proper motions ..	Both to be omitted.	
		In Separate Results for 1863.		
66	186	Jan. 30 Sec. of R. A. ..	26·01	25·41
80	352	Mar. 5 ,, ..	48·75	49·24
82	367	,, 12 Min.&Sec.of P.D.	53 17·9	54 18·1
89	457	Apl. 13 Sec. of R. A. ..	13·36	14·06
98	577	May 20 Min.&Sec.of P.D.	38 51·9	37 34·4
105	670	June 3 Sec. of P. D. ..	8·1	14·1
		In Mean Positions for 1863.		
128	186	Sec. of Mean R. A. ..	26·01	25·41
130	242	Note. Period in days ..	228	288
138	352	Sec. of Mean R. A. ..	48·75	49·24
,,	367	Min. & Sec. of Mean P. D.	53 17·9	54 18·1
142	428	Foot-note to be inserted.	Double: fainter comp. n p.	
144	457	Sec. of Mean R. A. ..	13·36	14·06
150	577	Min. & Sec. of Mean P. D.	38 51·9	37 34·4
155	654	Sec. Var. in P. D. ..	1·027	2·577
156	668	Star ..	8959 Taylor.	8950 Taylor
,,	670	Sec. of Mean P. D. ..	8·1	14·1
		In Separate Results for 1864.		
166	8	Sep. 27 Sec. of R. A. ..	39·31	38·34
,,	,,	Oct. 7 ,, ..	39·58	38·60
171	56	Nov. 29 Star ..	V Pisc. Var. 5	....
159	262	3 days. Min. of P. D. ..	2	1
194	328	Sep. 13 Sec. of P. D. ..	40·4	40·1
200	405	,, 29 ,, ..	53·5	51·7
220	656	Apl. 27 ,, ..	7·3	12·5
231	769	June 4 Sec. of R. A. ..	52·56	53·38
,,	783	,, 4 ,, ..	15·87	16·75
233	795	Aug. 8 Min. of P. D. ..	7	6
237	854	Oct. 1 Sec. of R. A. ..	22·17	21·40
239	879	Aug. 24 Min. of R. A. ..	48	47
245	943	Nov. 4 Sec. of R. A. ..	51·68	51·88
246	949	Sep. 22 Sec. of P. D. ..	1·0	5·5
248	978	Nov. 7 Sec. of R. A. ..	49·28	59·47
250	1000	,, 12 Min.& Sec.of P.D.	50 3·3	49 54·2
		In Mean Positions for 1864.		
252	8	Sec. of Mean R. A. ..	39·45	38·47
254	56	Star (erase note also) ..	V Pisc. Var. 6	....
258	118	Foot-note ..	115	118
266	262	Min. of Mean P. D. ..	2	1
270	322	Foot-note. Period in days.	228	88
,,	326	Sec. of Mean P. D. ..	41·3	41·2
274	405	,,	53·9	53·6
276	446	Star, note and page 277 ..	30 Hyd. *a* V. 1.	30 Hyd. *a* V.2.
284	573	Insert foot-note ..	Double: fainter comp. n p.	
288	656	Sec. of Mean P. D. ..	7·3	12·5
294	769	Sec. of Mean R. A. ..	52·56	53·38
296	773	,, ..	15·87	16·75
,,	795	Min. of Mean P. D. ..	7	6
,,	801	,, ..	40	44
300	854	Sec. of Mean R. A. ..	22·17	21·40
302	879	Min. of Mean R. A. ..	48	47
304	943	Sec. of Mean R. A. ..	51 81	51·91
305	931	Sec. Var. in R. A. ..	1·1361	1·1704
306	949	Sec. of Mean P. D. ..	1·0	5·5

SEPARATE RESULTS

OF

OBSERVATIONS

OF THE FIXED STARS,

MADE WITH THE

MADRAS MERIDIAN CIRCLE

IN THE YEAR

1865.

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865. h. m. s.	No. of Wires.	Mean Polar Distance 1865. ° ′ ″	Observer.
1		*Taylor* [illegible].			
Oct. 26	7·9	0 0 31·84	5	147 35 17·4	R
2		*Anon.*			
Oct. 18	8·8	0 0 45·22	5	151 23 33·8	M
Nov. 13	9·0	0 44·77	...	23 33·7	M
14	9·0	0 44·96	...	23 33·3	M
15	9·1	0 45·06	...	23 34·8	M
3		21 *Andromedae α, Alpherat.*			
Oct. 6	...	0 1 24·83	...	61 39 18·7	M
28	...	1 24·78	...	39 18·8	R
Nov. 18	...	1 24·80	...	39 18·0	R
30	...	1 24·99	...	39 18·7	M
4		*Lacaille* 9739.			
Oct. 11	7·6	0 2 7·80	...	130 29 19·0	M
5		*Taylor* 7.			
Nov. 10	7·1	0 3 0·31	...	93 18 45·0	M
6		*Lacaille* 9757.			
Sep. 29	7·0	0 4 28·28	5	131 7 27·3	R
30	7·8	4 28·10	...	7 27·9	R
Oct. 24	8·5	4 28·22	4	7 27·5	R
7		*Lacaille* 3.			
Nov. 11	6·7	0 6 9·86	...	148 39 55·7	M
8		*Anon.*			
Sep. 26	9·2	0 6 14·16	5	131 7 59·8	R
29	9·0	6 14·88	5	7 57·4	R
9		88 *Pegasi γ, Algenib.*			
Oct. 5	...	0 6 17·18	...	75 34 2·8	M
6	...	6 17·21	...	34 1·9	M
7	...	6 17·20	...	34 3·0	M
27	...	6 17·18	...	34 2·8	R
Nov. 8	...	0 6 17·07	...	75 34 1·9	M
17	...	6 17·15	...	34 2·0	R
18	...	6 17·15	...	34 1·8	R
10		*Anon.*			
Sep. 26	9·2	0 6 41·55	...	131 6 42·8	R
30	9·5	6 41·56	6	6 41·3	R
Oct. 24	9·2	6 41·50	4	6 42·8	R
11		*Anon.*			
Oct. 18	...	0 9 25·84	5	149 31 30·3	R
12		*Anon.*			
Oct. 12	9·0	0 9 36·16	5	153 54 48·6	M
16	9·2	9 36·30	5	54 49·3	R
13		*Anon.*			
Oct. 11	8·9	0 10 37·74	...	152 0 33·5	M
Nov. 14	8·5	10 37·77	...	0 33·2	M
15	8·3	10 37·62	...	0 34·5	M
14		*Lacaille* 41.			
Nov. 13	8·0	0 12 36·74	...	130 51 42·8	M
15		41 *Piscium d.*			
Oct. 3	...	0 13 39·09	...	82 33 35·2	M
4	...	13 39·17	...	33 34·5	M
Nov. 28	...	13 39·16	...	33 36·3	R
16		*Lacaille* 61.			
Nov. 10	7·0	0 16 ~~3·66~~	3	130 0 33·5	M
17		R *Andromedae Var.* 1.			
Nov. 29	6·5	0 16 54·52	...	52 10 16·2	R
Dec. 1	6·8	16 54·57	...	10 15·1	M
2	6·9	16 54·65	...	10 16·1	M
18		*Anon.*			
Sep. 26	9·5	0 17 40·60	...	149 34 51·7	R

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865. h. m. s.	No. of Wires.	Mean Polar Distance 1865. ° ′ ″	Observer.
19		*Anon.*			
Nov. 11	9·3	0 18 33·82	...	152 57 18·0	M
16	8·9	18 34·08	5	57 19·0	R
20		*Lacaille* ~~16~~			
Sep. 30	7·0	0 18 41·24	...	130 0 20·4	R
Oct. 27	7·8	18 41·38	4	0 20·1	R
31	...	18 41·20	5	0 20·4	R
Nov. 10	7·0	18 41·32	5	0 19·3	M
21		10 *Ceti.*			
Nov. 28	...	0 19 42·00	...	90 47 53·7	R
22		12 *Ceti.*			
Oct. 5	...	0 23 8·95	...	94 42 14·3	M
13	...	23 9·06	...	42 13·0	M
14	...	23 8·92	...	42 14·5	M
Nov. 1	...	23 8·91	...	42 13·8	M
8	...	23 9·04	...	42 13·6	M
13	...	23 8·91	...	42 15·2	M
14	...	23 8·93	...	42 14·9	M
15	...	23 8·86	...	42 14·0	M
18	...	23 8·96	...	42 12·7	R
21	...	23 8·99	...	42 14·3	R
30	...	23 8·97	...	42 15·0	M
23		*Anon.*			
Oct. 11	8·0	0 27 10·98	...	76 13 48·5	M
Nov. ~~6~~	7·3	27 10·96	...	13 47·7	M
24		*Lacaille* 132.			
Oct. 18	...	0 27 21·46	...	151 53 37·1	R
25		*Lalande* 970.			
Oct. 3	7·9	0 31 7·88	4	80 54 47·5	M
7	7·9	31 7·89	...	54 49·9	M
Nov. 10	7·9	31 7·72	...	54 48·9	M
14	8·0	31 7·81	...	54 49·8	M

Number and Date.	Magnitude.	Mean Right Ascension. 1865. h. m. s.	No. fo Wires.	Mean Polar Distance. 1865. ° ′ ″	Observer.
26		*Anon.*			
Nov. 13	8·2	0 31 ~~29·87~~	...	82 28 2·2	M
16	8·5	31 29·39	...	28 0·8	R
Dec. 2	8·0	31 29·31	...	28 3·7	M
27		*Lalande* 1010.			
Oct. 23	9·0	0 32 18·53	...	82 32 6·9	R
28		18 *Cassiopeae a Var.* 2, *Shedir.*			
Oct. 31	...	0 32 51·00	...	84 12 15·7	R
Nov. 21	...	32 51·86	5	12 13·4	R
29		*Anon.*			
Oct. 24	9·3	0 35 1·75	...	83 28 34·8	R
30		16 *Ceti β.*			
Oct. 6	...	0 36 48·07	...	108 43 41·9	M
Nov. 11	...	36 48·01	...	43 42·3	M
15	...	36 48·04	...	43 42·1	M
17	...	36 48·06	...	43 42·2	R
21	...	36 48·01	5	43 43·0	R
22	...	36 48·09	...	43 42·4	R
Dec. 5	...	36 48·08	...	43 39·8	M
31		*W. B. E.* 0·628.			
Oct. 18	...	0 36 57·06	...	93 49 9·6	R
32		*W. B. E.* 0·705.			
Dec. 7	7·9	0 41 11·31	...	94 26 57·2	M
33		*Taylor* 235.			
Nov. 10	6·3	0 41 18·18	...	85 24 52·3	M
34		63 *Piscium δ.*			
Sep. 6	5·0	0 41 40·79	...	83 9 0·7	M
Oct. 31	...	41 40·89	...	9 1·4	R

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865. h. m. s.	No. of Wires.	Mean Polar Distance 1865. ° ′ ″	Observer.
35		*W. B. E.* 0·716.			
Oct. 23	9·8	0 41 44·57	...	94 36 29·8	R
Nov. 14	9·0	41 44·55	...	36 30·2	M
36		*Anon.*			
Oct. 7	9·2	0 42 58·18	4	89 4 1·1	M
Nov. 28	...	42 58·07	...	4 1·6	R
37		*Anon.*			
Nov. 4	9·0	0 47 38·53	5	153 39 57·1	M
38		*λ Toucani.*			
Nov. 15	6·0	0 48 0·08	5	153 36 20·5	M
17	6·0	48 0·25	5	36 21·5	R
29	6·7	48 0·32	5	36 21·0	R
39		*Anon.*			
Oct. 8	9·2	0 48 57·80	...	133 46 57·8	M
Nov. 13	9·0	48 57·83	...	46 54·2	M
40		*Lacaille* 264.			
Dec. 8	7·9	0 50 47·26	5	154 41 46·1	M
41		2 *Ursae Minoris.*			
Oct. 23	...	0 50 51·64	3	4 28 8·9	R
42		*W. B. E.* 0·897.			
Nov. 28	9·2	0 52 15·52	...	92 49 38·7	R
43		*Lacaille* 271.			
Nov. 10	7·7	0 52 44·88	...	151 25 38·4	M
Dec. 7	7·1	52 44·97	5	25 38·2	M
44		70 *Piscium.*			
Oct. 18	...	0 55 5·85	...	82 47 16·9	R
26	...	55 5·71	...	47 18·2	R
Nov. 14	6·9	55 5·88	...	47 19·8	M

Number and Date	Magnitude.	Mean Right Ascension 1865. h. m. s.	No of Wires.	Mean Polar Distance. 1865. ° ′ ″	Observer.
45		71 *Piscium* e			
Sep. 6	...	0 55 56·24	...	82 50 14·2	M
7	...	55 56·40	...	50 15·5	M
Oct. 7	...	55 56·32	...	50 15·4	M
27	...	55 56·41	...	50 14·4	R
31	...	55 56·30	...	50 15·8	R
Nov. 11	...	55 56·26	...	50 14·9	M
16	...	55 56·28	...	50 14·7	R
17	...	55 56·25	...	50 15·9	R
21	...	55 56·31	...	50 16·0	R
22	...	55 56·25	...	50 15·6	R
28	...	55 56·34	5	50 16·8	R
29	...	55 56·32	...	50 15·8	R
30	...	55 56·24	...	50 14·9	M
46		*Anon.*			
Nov. 16	8·0	1 5 48·39	...	129 52 44·1	R
Dec. 9	8·0	5 48·36	...	52 43·7	M
12	7·9	5 48·42	...	52 43·4	M
47		86 *Piscium* 3 (1*st*).			
Oct. 4	...	1 6 40·72	...	83 8 21·8	M
5	...	6 40·83	..	8 22·8	M
Nov. 28	...	6 40·67	...	8 23·1	R
29	...	6 40·80	...	8 22·6	R
48		*Anon.*			
Dec. 1	7·9	1 7 28·41	...	152 59 45·0	M
14	8·0	7 28·42	...	59 45·2	M
49		1 *Ursae Minoris* a, *Polaris.*			
Oct. 7	...	0 9 38·47	2	1 24 38·8	M
23	...	9 36·61	3	24 35·8	R
Nov. 14	...	9 36·22	2	24 40·3	M
27	...	9 37·21	3	24 37·7	R
Dec. 11	...	9 36·52	2	24 39·1	M
		1 *Ursae Minoris* a, *Polaris—s.p.*			
Apl. 8	...	1 9 37·91	3	1 24 37·7	M
26	...	9 39·43	3	24 38·8	R

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865. h. m. s.	No. of Wires	Mean Polar Distance 1865. ° ′ ″	Observer.
May 8	...	1 9 36·89	1	1 24 37·7	M
15	...	9 38·14	2	24 38·8	M
22	...	9 37·15	3	24 36·7	R
26	...	9 38·79	1	24 39·2	R
50		*Anon.*			
Oct. 26	9·7	1 10 11·77	...	81 49 27·0	R
Nov. 15	9·6	10 11·60	...	49 25·9	M
16	9·7	10 11·68	4	49 26·6	M
51		*Anon.*			
Oct. 12	8·0	1 10 21·82	...	153 51 46·1	M
Nov. 10	8·7	10 21·64	3	51 45·7	M
13	8·1	10 21·75	...	51 44·3	M
52		*Anon.*			
Dec. 13	9·1	1 12 16·44	...	152 17 16·2	M
53		*Anon.*			
Nov. 4	8·0	1 17 3·35	4	96 31 6·9	M
Dec. 14	7·9	17 3·00	3	31 4·7	M
54		45 *Ceti* 0′			
Nov. 11	...	1 17 16·42	...	98 52 52·3	M
15	...	17 16·52	...	52 52·6	M
22	...	17 16·51	...	52 52·3	R
29	...	17 16·45	...	52 52·2	R
Dec. 2	...	17 16·55	...	52 53·3	M
28	...	17 16·47	5	52 54·4	R
55		*Anon.*			
Dec. 8	7·9	1 18 55·35	...	151 20 5·0	M
56		*Anon.*			
Oct. 7	8·4	1 23 31·24	...	87 43 40·2	M
57		*Anon.*			
Nov. 16	10·0	1 24 2·87	5	90 ~~5—55·3~~	R

Number and Date.	Magnitude.	Mean Right Ascension. 1865. h. m. s.	No. of Wires.	Mean Polar Distance 1865. ° ′ ″	Observer.
58		99 *Piscium* η			
Nov. 11	...	1 24 15·86	...	75 21 4·9	M
13	...	24 15·85	...	21 6·4	M
14	...	24 15·64	...	21 7·6	M
15	...	24 15·75	4	21 6·1	M
25	...	24 15·76	...	21 6·7	R
Dec. 1	...	24 15·64	5	21 5·9	M
2	...	24 15·89	3	21 7·9	M
7	...	24 15·82	...	21 4·4	M
28	...	24 15·68	...	21 5·7	R
59		*Anon.*			
Nov. 4	9·0	1 29 3·40	...	150 42 16·4	M
28	9·6	29 3·47	5	42 16·7	R
Dec. 8	8·8	29 3·29	4	42 15·5	M
60		α *Eridani, Achernar.*			
Oct. 31	...	1 32 41·25	...	147 55 26·4	R
Nov. 3	...	32 41·24	...	55 25·2	M
22	...	32 41·06	6	55 26·7	R
27	...	32 41·13	...	55 28·0	R
30	...	32 41·09	...	55 26·6	M
61		106 *Piscium* ν			
Oct. 4	...	1 34 24·34	...	85 11 48·5	M
Nov. 13	...	34 24·30	...	11 50·1	M
14	...	34 24·43	...	11 50·3	M
16	...	34 24·51	...	11 49·0	R
28	...	34 24·46	...	11 49·3	R
29	...	34 24·49	...	11 49·6	R
Dec. 7	...	34 24·35	...	11 48·0	M
9	...	34 24·47	...	11 48·6	M
28	...	34 24·48	...	11 50·4	R
62		*Lacaille* 503.			
Dec. 12	7·9	1 35 45·40	4	151 41 1·1	M
63		*Lacaille* 507.			
Nov. 4	6·7	1 37 10·69	4	151 28 14·2	M

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right. Ascension 1865. h. m. s.	No. of Wires.	Mean Polar Distance 1865. ° ′ ″	Observer.
80		*Lacaille* 677.			
Oct. 7	7·9	2 6 57·80	5	149 47 20·4	M
27	8·0	6 57·60	4	47 19·0	R
Nov. 10	7·9	6 57·66	...	47 18·4	M
81		*Anon.*			
Nov. 15	9·2	2 7 0·77	...	148 39 13·8	M
28	9·7	7 0·91	...	39 13·8	R
82		*Taylor* 754.			
Nov. 13	8·7	2 9 13·69	...	147 58 36·3	M
Dec. 5	8·3	9 13·87	4	58 37·1	M
13	8·9	9 13·81	...	58 37·3	M
83		67 *Ceti.*			
Jan. 6	...	2 10 15·03	...	97 2 45·4	M
Nov. 4	...	10 14·99	...	2 47·2	M
16	...	10 15·01	...	2 45·7	R
27	...	10 15·03	...	2 46·0	R
Dec. 1	...	10 15·04	...	2 46·3	M
7	...	10 14·88	...	2 44·8	M
8	...	10 15·04	...	2 45·7	M
9	...	10 15·09	...	2 46·1	M
12	...	10 14·98	...	2 47·1	M
14	...	10 15·03	...	2 48·0	M
20	...	10 15·03	3	2 46·7	R
30	...	10 15·07	..	2 45·2	R
84		*Anon.*			
Oct. 27	9·3	2 13 59·85	...	148 26 39·3	R
28	9·7	14 0·16	...	26 40·7	R
Nov. 28	9·4	14 0·10	...	26 40·9	R
85		*Anon.*			
Nov. 15	7·8	2 16 25·28	...	151 18 7·1	M
86		*Taylor* 818.			
Oct. 7	8·4	2 19 10·07	...	147 25 44·1	M
Dec. 5	7·8	19 10·01	...	25 43·0	M
87		*Anon.*			
Dec. 1	8·9	2 20 12·69	...	146 32 26·1	M
88		73 *Ceti* ξ^2			
Jan. 6	...	2 20 59·00	...	82 8 48·9	M
Oct. 5	...	20 58·98	...	8 49·8	M
6	...	20 58·90	...	8 48·3	M
Nov. 3	...	20 59·12	...	8 48·5	M
27	...	20 58·99	...	8 48·2	R
29	...	20 59·00	...	8 49·2	R
30	...	20 59·06	...	8 48·7	M
Dec. 19	...	20 59·02	...	8 49·6	R
20	...	20 58·96	5	8 49·7	R
25	...	20 59·02	...	8 49·5	R
30	...	20 58·94	...	8 48·8	R
89		λ *Horologii*			
Dec. 8	6·1	2 21 7·71	...	150 55 4·6	M
11	6·0	21 7·98	5	55 5·4	M
90		*Anon.*			
Nov. 28	9·2	2 24 16·73	5	152 35 21·9	R
91		*Anon.*			
Dec. 12	8·4	2 24 29·96	...	147 2 28·6	M
13	8·0	24 30·08	...	2 29·6	M
14	8·1	24 30·05	..	2 29·9	M
92		*Lacaille* 782.			
Nov. 15	7·0	2 26 14·71	...	148 24 39·4	M
Dec. 5	7·0	26 14·96	...	24 39·9	M
93		*Anon.*			
Dec. 16	9·8	2 29 12·85	5	147 37 13·9	R
94		*Anon.*			
Nov. 17	10·1	2 29 15·10	...	85 0 20·7	R
27	10·3	29 15·28	2	0 18·8	R
Dec. 15	10·1	29 15·29	4	0 19·9	R

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865. h. m. s.	No. of Wires.	Mean Polar Distance 1865. ° ′ ″	Observer.
130		*Lacaille* 1150.			
Nov. 11	8·9	3 28 28·71	...	152 28 5·0	M
17	8·8	28 28·74	3	28 6·1	R
Dec. 16	7·0	28 28·53	5	28 5·8	R
131		*Lacaille* 1159.			
Jan. 4	6·8	3 30 17·65	3	151 28 24·5	M
132		*Taylor* 1256.			
Jan. 9	8·0	3 35 28·31	...	150 13 6·9	M
133		*Anon.*			
Dec. 16	9·7	3 35 52·33	5	152 26 14·7	R
134		*Anon.*			
Nov. 16	9·0	3 38 7·32	...	136 12 41·3	R
135		*Anon.*			
Dec. 18	...	3 39 23·89	...	66 30 23·2	R
136		25 *Tauri* η, *Alcyone.*			
Jan. 6	...	3 39 27·78	...	66 18 55·3	M
Dec. 8	...	39 27·81	...	18 56·5	M
16	...	39 27·81	5	18 56·7	R
21	...	39 27·70	...	18 56·5	R
137		*Taylor* 1318.			
Jan. 4	5·9	3 42 30·85	2	155 14 2·4	M
10	5·9	42 31·20	4	14 1·1	M
Nov. 17	...	42 31·05	...	14 58·5	R
138		*Anon.*			
Jan. 11	8·7	3 46 33·79	...	146 33 28·3	M
Nov. 27	8·8	46 33·86	...	33 29·8	R

Number and Date.	Magnitude.	Mean Right Ascension 1865. h. m. s.	No. of Wires.	Mean Polar Distance 1865. ° ′ ″	Observer.
139		34 *Eridani* γ^1			
Jan. 4	...	3 51 43·86	...	103 53 42·9	M
6	...	51 43·81	...	53 41·9	M
7	...	51 43·91	...	53 41·7	M
9	...	51 43·87	...	53 42·5	M
Dec. 15	...	51 43·88	...	53 42.8	R
21	...	51 43·89	..	53 43·0	R
140		35 *Tauri* λ *Var.* 1.			
Nov. 4	5·9	3 53 12·17	...	77 53 38·4	M
141		*Anon.*			
Nov. 27	8·0	3 53 41·84	5	143 8 14·5	R
142		*Lacaille* 1327.			
Dec. 2	...	3 54 19·59	5	153 51 22·3	M
143		*R. P. L.* 35.			
Jan. 10	...	3 55 10·90	3	4 48 24·4	M
144		*Lacaille* 1347.			
Jan. 11	8·0	3 58 8·18	...	149 2 25·5	M
Dec. 13	7·1	58 8·04	...	2 26·9	M
145		*Lalande* 7764.			
Jan. 6	8·2	4 3 31·54	...	74 43 43·0	M
Dec. 1	7·9	3 31·20	...	43 43·2	M
12	8·0	3 31·56	...	43 42·2	M
146		*Anon.*			
Jan. 11	9·2	4 5 1·35	4	150 5 21·9	M
147		38 *Eridani* o^1			
Jan. 4	...	4 5 16·63	...	97 11 33·0	M
7	...	5 16·58	...	11 32·3	M
9	...	5 16·67	...	11 33·1	M
Dec. 9	...	5 16·50	...	11 32·1	M
13	...	5 16·57	...	11 32·3	M
14	...	5 16·44	...	11 32·8	M
18	...	5 16·54	...	11 32·8	R

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865. h. m. s.	No. of Wires.	Mean Polar Distance 1865. ° ′ ″	Observer.
148		*Anon.*			
Jan. 10	8·3	4 9 48·62	...	129 18 43·6	M
149		*U Tauri Var.* 7.			
Jan. 17	9·8	4 13 57·17	5	70 30 30·1	R
150		*T Tauri Var.* 6.			
Jan. 18	10·5	4 14 7·73	2	70 47 23·8	R
19	10·2	14 7·48	5	47 23·0	R
151		*e Reticuli.*			
Jan. 6	5·2	4 14 9·66	5	149 37 42·1	M
152		*Anon.*			
Jan. 28	9·6	4 15 42·03	...	128 39 40·4	M
153		*74 Tauri e*			
Jan. 4	...	4 20 44·16	...	71 7 21·5	M
7	...	20 44·13	...	7 20·6	M
9	...	20 44·05	...	7 20·7	M
10	...	20 44·19	...	7 21·4	M
Oct. 7	...	20 44·13	...	7 20·7	M
Dec. 1	...	20 44·23	5	7 21·1	M
2	...	20 44·18	...	7 21·9	M
8	...	20 44·05	...	7 20·5	M
9	...	20 44·10	...	7 19·8	N
11	...	20 44·29	...	7 21·6	M
12	...	20 44·10	...	7 21·6	M
13	...	20 44·14	...	7 19·8	M
154		*R Tauri Var.* 2.			
Dec. 18	8·3	4 20 53·87	...	80 8 30·1	R
155		*Taylor* 1582.			
Jan. 6	6·3	4 23 13·41	5	151 32 44·1	M
Nov. 4	6·5	23 13·23	...	32 42·5	M
156		*Lacaille* 1519.			
Jan. 17	7·3	4 25 35·98	3	153 5 59·7	R
157		*87 Tauri a, Aldebaran.*			
Jan. 7	...	4 28 10·57	...	75 45 55·7	M
10	...	28 10·70	...	45 56·0	M
19	...	28 10·62	...	45 56·6	R
21	...	28 10·54	...	45 55·3	R
Oct. 7	...	28 10·62	...	45 55·7	M
Dec. 1	...	28 10·59	...	45 56·4	M
2	...	28 10·42	...	45 57·8	M
11	...	28 10·59	...	45 56·5	M
158		*Anon.*			
Dec. 19	9·3	4 31 44·20	...	142 59 28·9	R
159		*W. B. N. IV.* 626.			
Jan. 4	9·0	4 32 39·58	...	66 27 22·7	M
6	9·0	32 39·67	...	27 22·5	M
9	9·0	32 39·55	...	27 22·2	M
11	9·0	32 39·72	...	27 22·3	M
23	9·2	32 39·59	...	27 22·6	R
26	9·5	32 39·56	...	27 21·6	R
27	8·6	32 39·76	...	27 23·7	R
160		*W. B. N. IV,* 726.			
Jan. 18	8·3	4 33 54·64	...	66 15 9·5	R
19	8·3	33 54·58	...	15 9·3	R
21	...	33 54·65	...	15 9·9	R
161		*94 Tauri τ*			
Feb. 4	...	4 34 8·77	...	67 18 19·0	M
Nov. 4	...	34 8·55	...	18 20·3	M
162		*Anon.*			
Jan. 17	9·0	4 39 32·34	...	128 57 26·8	R
Dec. 19	9·8	39 32·48	...	57 29·7	R

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865. h. m. s.	No. of Wires.	Mean Polar Distance. 1865. ° ′ ″	Observer.
163		*Anon.*			
Jan. 10	8·6	4 40 20·13	...	151 20 50·3	M
11	9·0	40 20·19	...	21 48·6	M
164		*κ Doradûs.*			
Dec. 13	6·0	4 42 19·46	...	149 58 55·5	M
165		*Lacaille* 1629.			
Jan. 18	6·7	4 43 43·56	...	153 28 27·8	R
Dec. 22	...	43 43·68	...	28 26·6	R
166		*Lacaille* 1625.			
Feb. 6	8·1	4 45 0·52	5	140 1 43·6	M
167		*W. B. N. IV.* 995.			
Jan. 4	8·0	4 45 10·20	...	66 8 3·4	M
168		*Anon.*			
Dec. 19	9·3	4 45 30·74	...	129 24 58·0	R
169		*Anon.*			
Jan. 7	8·9	4 45 56·29	...	153 ~~28~~ 56·9	M
170		*W. B. N. IV.* 1018.			
Jan. 6	8·0	4 46 2·19	...	66 13 33·0	M
171		3 *Aurigae* ι			
Jan. 21	...	4 48 12·20	...	57 3 5·0	R
28	...	48 12·37	...	3 5·5	M
Dec. 11	...	48 12·18	3	3 6·8	M
172		*Anon.*			
Jan. 23	10·3	4 51 29·69	...	82 8 37·5	R
173		*Anon.*			
Jan. 10	9·0	4 52 21·10	...	129 39 47·9	M
174		*Anon.*			
Jan. 9	9·6	4 52 41·91	4	150 37 48·8	M
175		*R Leporis Var.* 1.			
Jan. 25	8·9	4 53 27·72	...	105 0 42·6	R
176		*Taylor* 1797.			
Feb. 6	7·0	4 54 52·10	...	148 16 51·1	M
177		102 *Tauri* ι			
Feb. 4	...	4 55 1·84	4	68 36 23·2	M
Nov. 4	...	55 1·60	...	36 23·6	M
178		*Lacaille* 1697.			
Jan. 18	8·0	4 56 53·21	6	129 7 7·9	R
179		*Lacaille* 1705.			
Dec. 16	8·0	4 57 27·36	...	129 16 30·1	R
180		2 *Leporis* ε			
Jan. 17	...	4 59 44·81	...	112 33 16·7	R
20	...	59 44·84	...	33 18·3	R
21	...	59 44·85	...	33 17·8	R
24	...	59 44·88	...	33 18·0	R
181		*Anon.*			
Jan. 26	8·0	5 0 1·55	...	135 23 49·9	R
182		*Anon.*			
Jan. 7	9·5	5 1 45·09	5	151 36 2·9	M
19	9·5	1 45·08	4	39 5·6	R
183		*Lacaille* 1739.			
Jan. 6	8·2	5 2 52·47	...	146 57 48·5	M
184		*Lacaille* 1756.			
Jan. 28	8·0	5 3 59·90	...	154 ~~44 36·6~~	M
30	8·7	3 59·94	...	~~44 38·6~~	R

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865. h. m. s.	No. of Wires.	Mean Polar Distance 1865. ° ′ ″	Observer.
185		*Anon.*			
Jan. 26	9·5	5 4 36·03	4	135 34 33·6	R
186		1757 *Lacaille.*			
Jan. 9	8·0	5 4 53·29	3	150 ~~4 20·1~~	M
187		*Anon.*			
Jan. 31	9·0	5 6 4·10	5	131 45 38·4	R
188		13 *Aurigae*, *a Capella.*			
Jan. 25	...	5 6 43·14	...	44 8 36·6	R
189		*Anon.*			
Jan. 24	8·5	5 6 54·10	...	129 6 0·6	R
190		19 *Orionis β, Rigel.*			
Jan. 21	...	5 8 3·08	5	98 21 38·0	R
Dec. 11	...	8 3·06	...	21 37·8	M
191		*Anon.*			
Jan 18	9·3	5 12 53·86	...	129 40 2·5	R
24	9·0	12 53·66	5	40 3·3	R
Dec. 19	9·4	12 53·71	5	40 3·9	R
192		*Anon.*			
Jan. 26	9·2	5 12 57·20	5	137 4 42·5	R
30	9·2	12 57·25	...	4 43·9	R
Feb. 3	8·8	12 57·72	3	4 41·8	M
193		*Anon.*			
Jan. 28	8·1	5 13 26·14	5	153 41 37·4	M
194		*Anon.*			
Jan. 19	9·0	5 14 50·83	...	153 ~~39 13·7~~	R
195		*Anon.*			
Jan. 31	9·5	5 16 8·48	...	131 48 16·8	R
Feb. 4	8·8	16 8·57	...	48 16·1	M

Number and Date.	Magnitude.	Mean Right Ascension 1865. h. m. s.	No. of Wires.	Mean Polar Distance 1865. ° ′ ″	Observer.
196		*Lacaille ~~Anon.~~ 1824.*			
Jan. 24	7·7	5 17 0·10	5	129 38 0·4	R
27	8·0	16 59·93	...	37 59·7	R
Dec. 19	8·0	17 0·08	5	37 59·5	R
197		112 *Tauri β*			
Jan. 11	...	5 17 45·56	...	61 30 37·6	M
17	...	17 45·51	...	30 36·7	R
20	...	17 45·49	...	30 38·1	R
Feb. 2	...	17 45·66	...	30 36·5	M
Dec. 22	...	17 45·47	...	30 38·6	R
198		*Taylor* 1984.			
Feb. 6	7·3	5 18 51·97	...	150 54 47·7	M
199		*Anon.*			
Jan. 10	8·9	5 19 5·64	3	148 14 16·5	M
200		114 *Tauri o*			
Jan. 9	...	5 19 31·67	...	68 10 56·0	M
201		*Anon.*			
Jan. 26	7·5	5 21 40·52	5	137 12 50·4	R
202		*Anon.*			
Jan. 28	7·7	5 23 30·56	...	151 13 22·3	M
30	8·0	23 30·64	...	13 24·0	R
203		34 *Orionis δ Var* 1.			
Jan. 17	...	5 25 6·57	...	90 24 7·9	R
18	...	25 6·73	...	24 8·9	R
204		*Anon.*			
Jan. 19	8·9	5 25 13·65	...	130 35 20·4	R
Feb. 4	8·8	25 13·44	5	35 19·8	M
205		*Anon.*			
Feb. 14	9·0	5 25 35·56	5	155 51 16·4	M

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865. h. m. s.	No. of Wires.	Mean Polar Distance 1865. ° ′ ″	Observer.
206		11 *Leporis* a			
Jan. 20	...	5 26 46·57	...	107 55 17·8	R
24	...	~~26~~ 46·68	...	55 18·9	R
27	...	26 46·86	5	55 17·1	R
31	...	26 46·73	5	55 17·8	R
Feb. 2	...	26 46·58	...	55 19·1	M
207		46 *Orionis* ϵ			
Jan. 17	...	5 29 21·85	...	91 17 27·6	R
18	...	29 21·97	...	17 29·1	R
23	...	29 21·82	...	17 29·1	R
208		123 *Tauri* 3			
Dec. 2	...	5 29 34·61	...	68 56 37·2	M
209		*Anon.*			
Jan. 26	9·5	5 29 47·16	5	135 22 0·6	R
Feb. 6	9·6	29 47·12	...	22 0·6	M
210		*Anon.*			
Jan. 19	8·8	5 31 39·92	...	128 42 14·7	R
211		*Lacaille* 1949.			
Jan. 28	6·1	5 32 15·77	...	154 19 2·7	M
212		*Anon.*			
Dec. 22	...	5 32 43·66	5	150 11 33·6	R
213		*Anon.*			
Jan. 19	9·1	5 32 44·01	4	128 41 15·5	R
214		*Anon.*			
Jan. 30	8·9	5 34 20·92	...	152 7 57·7	R
Feb. 8	8·7	34 20·91	...	7 56·9	M
215		*a Columbae.*			
Jan. 12	...	5 34 45·72	...	124 8 53·4	M
18	...	34 45·82	...	8 54·4	R
24	...	34 45·63	...	8 54·7	R
27	...	34 45·60	...	8 54·3	R
31	...	34 45·77	...	8 53·4	R
Feb. 3	...	34 45·73	...	8 53·3	M
9	...	34 45·69	...	8 52·8	M
10	...	34 45·74	3	8 53·6	M
216		*Lacaille* 1971.			
Feb. 15	7·8	5 36 22·25	...	149 11 30·2	M
217		*Anon.*			
Jan. 26	8·7	5 36 39·33	...	135 48 39·4	R
Feb. 4	7·9	36 39·17	...	48 37·9	M
218		*Anon.*			
Jan. 26	9·1	5 39 55·07	5	135 48 6·2	R
219		*Lacaille* 2010.			
Jan. 28	7·7	5 42 2·13	...	146 58 20·0	M
220		*Anon.*			
Jan. 19	8·8	5 43 26·71	5	130 6 55·3	R
23	9·2	43 26·74	...	6 55·6	R
24	9·3	43 26·71	...	6 56·4	R
221		*Taylor* 2184.			
Jan. 7	9·3	5 43 55·09	...	150 46 22·3	M
222		*Anon.*			
Jan. 30	9·3	5 44 45·16	...	137 10 18·3	R
223		54 *Orionis* χ^1			
Feb. 6	...	5 46 23·44	...	69 45 8·5	M
Dec. 2	...	46 23·30	...	45 11·6	M

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865. h. m. s.	No. of Wires.	Mean Polar Distance 1865. ° ′ ″	Observer.
224		*Anon.*			
Jan. 26	9·0	5 47 3·18	...	135 46 50·2	R
225		*α Orionis Var. 2, Betelgeux.*			
Jan. 11	...	5 47 51·82	...	82 37 16·4	M
18	...	47 51·82	...	37 17·5	R
19	...	47 51·78	...	37 17·7	R
25	...	47 51·87	...	37 18·2	R
27	...	47 51·90	...	37 17·2	R
Feb. 2	...	47 51·83	...	37 16·7	M
3	...	47 51·87	...	37 16·2	M
9	...	47 51·83	...	37 15·7	M
10	...	47 51·86	...	37 17·5	M
226		*Anon.*			
Jan. 26	8·9	5 49 55.35	5	135 43 7·9	R
227		*Anon.*			
Jan. 30	9·8	5 50 15·60	5	137 10 18·5	R
228		*Lacaille* 2073.			
Feb. 14	7·9	5 50 32·41	...	137 12 38·1	M
229		*Anon.*			
Jan. 24	9·5	5 50 58·84	...	130 43 1·7	R
28	9·6	50 58·69	...	43 1·3	M
230		*R. P. L.* 43.			
Feb. 8	...	5 52 27·98	3	3 14 20·0	M
231		*Anon.*			
Jan. 23	8·8	5 53 3·51	5	130 24 57·4	R
232		*Lacaille* 2104.			
Jan. 19	7·0	5 54 22·74	5	143 26 ~~28·9~~	R

Number and Date.	Magnitude.	Mean Right Ascension. 1865. h. m. s.	No. of Wires.	Mean Polar Distance. 1865. ° ′ ″	Observer.
233		*Anon.*			
Jan. 30	9·3	5 54 36·42	...	137 45 14·8	R
Feb. 4	9·6	54 36·25	...	45 15·7	M
234		*Anon.*			
Jan. 10	9·2	5 56 11·53	...	129 57 14·2	M
235		*Anon.*			
Jan. 26	9·3	5 57 1·11	5	136 1 0·9	R
236		*67 Orionis ν.*			
Jan. 11	...	5 59 51·82	...	75 13 8·1	M
19	...	59 51·87	...	13 8·4	R
23	...	59 51·92	...	13 7·6	R
24	...	59 51·87	...	13 8·3	R
25	...	59 51·83	...	13 8·0	R
28	...	59 51·86	...	13 9·2	M
Feb. 3	...	59 51·90	...	13 7·5	M
6	...	59 51·77	...	13 7·3	M
9	...	59 51·89	...	13 6·9	M
237		*Anon.*			
Jan. 30	7·7	6 0 52·53	...	137 28 33·9	R
Feb. 14	7·8	0 52·69	...	28 32·9	M
238		*Lalande* 11732.			
Dec. 22	8·2	6 3 26·03	...	77 58 55·9	R
239		*Anon.*			
Feb. 10	9·0	6 4 1·12	...	150 5 28·2	M
240		*Anon.*			
Jan. 26	8·0	6 4 35·21	5	136 49 40·8	R
Feb. 8	8·2	4 35·43	...	49 40·3	M
241		*Anon.*			
Dec. 21	9·0	6 5 40·90	...	77 51 30·8	R

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865. h. m. s.	No. of Wires.	Mean Polar Distance 1865. ° ′ ″	Observer.
242		*7 Geminorum η Var.* 6.			
Jan. 9	...	6 6 43·72	...	67 27 28·9	M
10	...	6 43·86	...	27 29·1	M
243		*Anon.*			
Feb. 18	9·2	6 7 28·21	5	151 18 25·5	R
244		*Anon.*			
Jan. 30	9·0	6 7 42·21	...	137 6 25·5	R
Feb. 4	9·2	7 42·03	...	6 22·7	M
245		*Anon.*			
Feb. 17	9·2	6 8 35·15	...	155 4 30·0	R
246		*Anon.*			
Jan. 24	9·2	6 8 55·14	...	130 31 35·5	R
25	9·3	8 55·19	...	31 35·1	R
247		*Anon.*			
Jan. 28	9·4	6 11 43·80	...	152 1 50·0	R
248		*Anon.*			
Jan. 26	9·2	6 12 3·36	5	136 50 49·6	R
Feb. 14	9·2	12 3·49	...	50 50·2	M
249		*Lalande* 12120.			
Dec. 18	7·2	6 14 8·91	...	77 4 47·7	R
22	...	14 8·98	...	4 49·9	R
250		13 *Geminorum μ.*			
Jan. 9	...	6 14 47·54	...	67 25 15·5	M
10	...	14 47·60	...	25 15·6	M
23	...	14 47·58	...	25 15·2	R
26	...	14 47·65	...	25 16·7	R
30	...	14 47·52	...	25 15·4	R
Feb. 9	...	14 47·67	...	25 14·4	M

Number and Date	Magnitude.	Mean Right Ascension 1865. h. m. s.	No of Wires.	Mean Polar Distance. 1865. ° ′ ″	Observer.
251		*Lalande* 12155.			
Dec. 21	7·2	6 15 1·74	...	77 22 3·1	R
252		*Lacaille* 2273.			
Jan. 7	7·9	6 17 ~~3·26~~ 4·61	5	153 58 25·3	M
253		*Anon.*			
Feb. 10	8·9	6 18 33·26	...	151 28 29·2	M
17	9·0	18 33·25	..	28 27·9	R
254		*Taylor* 2485.			
Feb. 8	7·0	6 18 ~~34·26~~ 3·79	...	151 16 ~~10·4~~ 1·2	M
18	7·5	18 ~~34·20~~ 3·76	4	16 ~~12·0~~ 3	R
255		*Lacaille* 2286.			
Feb. 20	7·0	6 18 48·58	...	153 45 45·3	R
256		*Anon.*			
Feb. 3	8·8	6 19 43·65	...	65 39 55·1	M
4	8·8	19 43·53	...	39 54·5	M
257		*α Argûs, Canopus.*			
Jan. 30	...	6 20 57·41	...	142 37 23·6	R
258		*Anon.*			
Jan. 13	7·2	6 21 19·96	...	128 51 32·4	R
Feb. 15	7·2	21 20·10	...	51 32·7	M
259		*Lacaille* 2312			
Feb. 14	6·8	6 22 9·61	...	153 36 37·7	M
260		*Lacaille* 2321.			
Mar. 1	7·8	6 23 29·97	5	153 20 49·7	M
261		*Lacaille* 2348.			
Mar. 3	7·7	6 26 32·44	...	152 3 45·6	M
4	7·8	26 32·38	...	3 45·3	M

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865. h. m. s.	No. of Wires	Mean Polar Distance 1865. ° ′ ″	Observer.
262		*Anon.*			
Jan. 13	9·0	6 27 30·33	...	128 46 0·9	R
Mar. 2	9·0	27 30·49	...	46 0·5	M
263		*Anon.*			
Feb. 20	8·1	6 28 39·98	...	151 10 2·6	R
264		*Anon.*			
Jan. 24	9·2	6 28 40·50	5	130 32 12·6	R
Feb. 17	8·9	28 40·33	...	32 11·3	R
265		*Taylor* 2589.			
Feb. 8	6·9	6 29 50·20	5	151 46 52·0	M
18	6·8	29 50·10	...	46 51·5	R
266		24 *Geminorum* γ			
Jan. 26	...	6 29 54·78	...	73 29 22·0	R
28	...	29 54·74	...	29 21·3	M
30	...	29 54·77	...	29 19·8	R
31	...	29 54·72	...	29 21·6	R
Feb. 6	...	29 54·82	...	29 20·5	M
267		*Anon.*			
Feb. 23	8·3	6 31 28·75	...	130 56 45·1	R
268		*Anon.*			
Feb. 10	8·9	6 33 33·48	...	152 37 8·4	M
269		*Anon.*			
Jan. 24	9·1	6 35 49·36	...	130 38 8·1	R
Feb. 14	9·0	35 49·42	...	38 6·9	M
270		*Anon.*			
Jan. 18	10·5	6 36 0·34	4	62 5 49·9	R
19	10·3	36 0·23	4	5 51·3	R

Number and Date.	Magnitude.	Mean Right Ascension 1865. h. m. s.	No. of Wires.	Mean Polar Distance 1865. ° ′ ″	Observer.
271		51 (*Hev.*) *Cephei.*			
Jan. 17	...	6 36 9·37	2	2 45 20·0	R
21	...	36 8·77	2	45 22·2	R
27	...	36 9·35	3	45 22·3	R
Feb. 16	...	36 9·20	5	45 22·3	R
22	...	36 8·38	3	45 20·9	R
		51 (*Hev.*) *Cephei, s.p.*			
Aug. 11	...	6 36 8·04	4	2 45 20·7	R
Sep. 1	...	36 9·48	3	45 18·6	R
272		*Anon.*			
Mar. 3	8·9	6 36 15·14	...	130 21 3·4	M
273		*Taylor* 2652.			
Feb. 15	6·8	6 36 33·84	...	151 24 55·3	M
274		31 *Geminorum* ξ			
Feb. 6	...	6 37 42·66	...	76 57 43·6	M
275		*Anon.*			
Feb. 17	9·5	6 37 53·72	...	153 20 39·7	R
276		*Lacaille* 2451.			
Mar. 4	8·3	6 38 11·15	...	155 57 46·4	M
277		*Taylor* 2667.			
Jan. 31	8·3	6 38 23·73	5	148 59 44·7	R
278		*Anon.*			
Jan. 13	9·5	6 39 9·43	...	131 3 30·2	R
279		9 *Canis Majoris* α, *Sirius.*			
Feb. 3	...	6 39 11·81	...	106 32 1·3	M
23	...	39 11·75	...	32 1·7	R

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right. Ascension 1865. h. m. s.	No. of Wires.	Mean Polar Distance 1865. ° ′ ″	Observer.
Feb. 8	...	6 57 39·10	5	105 26 10·8	M
10	...	57 39·02	...	26 10·9	M
14	...	57 39·14	...	26 10·3	M
16	...	57 39·10	...	26 10·4	R
17	...	57 39·08	...	26 12·1	R
300		*Taylor* 2840.			
Jan. 6	7·9	6 59 3·58	...	105 56 56·4	M
Feb. 21	8·0	59 3·55	...	56 55·7	R
Mar. 3	8·0	59 3·70	...	56 56·8	M
301		*R Geminorum Var.* 2.			
Jan. 23	8·8	6 59 13·31	5	67 5 31·8	R
302		*Anon.*			
Mar. 10	7·5	7 1 1·56	5	140 10 9·8	M
303		*R Canis Minoris Var.* 1.			
Feb. 20	9·7	7 1 17·19	5	79 45 56·5	R
304		*Anon.*			
Feb. 22	8·8	7 1 31·44	5	129 39 17·6	R
305		*Anon.*			
Feb. 15	9·0	7 2 55·83	5	141 24 10·6	M
18	9·2	2 55·78	...	24 11·0	R
306		*Anon.*			
Feb. 25	8·7	7 3 25·79	...	130 14 36·4	R
Mar. 1	8·6	3 25·65	...	14 36·0	M
307		*Anon.*			
Mar. 4	9·4	7 5 ~~2·70~~	...	153 52 14·5	M
308		*Lacaille* 2678.			
Jan. 13	9·0	7 6 11·70	5	148 9 21·2	R

Number and Date.	Magnitude.	Mean Right Ascension 1865. h. m. s.	No. of Wires.	Mean Polar Distance 1865. ° ′ ″	Observer.
309		*Taylor* 2923.			
Feb. 21	8·0	7 7 17·23	...	150 21 25·4	R
Mar. 11	8·2	7 17·35	...	21 25·2	M
310		*Anon.*			
Feb. 20	8·0	7 8 0·49	...	148 46 7·9	R
311		*Anon.*			
Feb. 10	8·9	7 8 10·02	...	152 5 8·2	M
312		*Anon.*			
Feb. 25	9·0	7 8 55·78	...	130 17 24·3	R
313		*Lacaille* 2696.			
Feb. 17	7·8	7 9 23·61	...	140 58 58·3	R
314		*Taylor* 2940.			
Feb. 18	7·7	7 9 30·28	...	129 57 48·7	R
23	7·5	9 30·24	...	57 49·4	R
315		*Anon.*			
Feb. 28	9·5	7 9 48·13	4	130 18 38·9	M
316		55 *Geminorum* δ			
Jan. 10	4	7 12 3·39	4	67 46 22·3	M
11	...	12 3·54	...	46 21·8	M
13	...	12 3·38	...	46 21·3	R
28	...	12 3·51	...	46 23·3	M
30	...	12 3·52	...	46 21·7	R
Feb. 2	...	12 3·42	...	46 21·5	M
6	...	12 3·56	...	46 21·6	M
8	...	12 3·43	...	46 21·1	M
14	...	12 3·49	...	46 20·7	M
15	...	12 3·38	...	46 20·7	M
16	...	12 3·46	...	46 21·5	R
317		*Anon.*			
Mar. 3	8·3	7 12 36·69	...	152 48 2·1	M

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865. h. m. s.	No. of Wires.	Mean Polar Distance. 1865. ° ′ ″	Observer.
318		*Taylor* 3005.			
Feb. 20	7·7	7 15 29·99	...	149 1 0·0	R
319		*R. P. L.* 45			
Mar. 2	...	7 16 39·78 4·46	2	0 59 11·6	M
320		*Lacaille* 2805.			
Jan. 21	9·0	7 17 22·15	3	153 8 13·5	R
321		*Anon.*			
Feb. 25	9·3	7 17 38·99	...	129 46 16·1	R
Mar. 6	9·3	17 38·84	...	46 17·7	M
322		*Anon.*			
Feb. 16	9·8	7 18 49·97	5	69 15 35·1	R
323		63 *Geminorum.*			
Mar. 7	5·8	7 19 43·39	...	68 16 55·2	M
324		*Anon.*			
Feb. 10	9·0	7 19 50·11	...	152 35 44·7	M
Mar. 4	9·5	19 50·07	...	35 42·4	M
325		*Taylor* 3054.			
Jan. 31	7·8	7 20 2·80	...	151 41 35·2	R
326		*Anon.*			
Feb. 24	8·0	7 21 36·09	...	131 50 33·5	R
327		*Anon.*			
Feb. 25	8·8	7 23 29·61	...	129 45 24·7	R
28	8·2	23 29·65	...	45 25·4	M
328		*Anon.*			
Feb. 18	9·8	7 23 37·09	...	42 0 54·0	R
329		*Anon.*			
Feb. 22	8·0	7 23 55·73	...	129 10 12·3	R
330		*Anon.*			
Mar. 3	9·4	7 24 9·78	...	152 47 21·6	M
331		*Anon.*			
Jan. 25	9·6	7 24 46·12	5	130 9 38·9	R
332		*Anon.*			
Jan. 17	9·0	7 24 48·87	2	121 0 29·8	R
Feb. 3	9·0	24 48·77	...	0 27·9	M
333		*Anon.*			
Jan. 21	9·0	7 25 0·77	...	123 8 26·5	R
334		*S Canis Minoris, Var.* 2.			
Jan. 13	...	7 25 23·51	...	81 23 48·2	R
19	9·1	25 23·54	...	23 49·8	R
335		*Anon.*			
Mar. 9	8·0	7 25 29·09	3	129 18 12·7	M
336		66 *Geminorum* a^2, *Castor.*			
Jan. 14	...	7 25 59·00	...	57 49 9·1	M
Feb. 14	...	25 58·81	...	49 8·0	M
15	...	25 58·90	...	49 7·9	M
20	...	25 58·88	...	49 8·6	R
23	...	25 58·89	...	49 8·6	R
Mar. 1	...	25 58·82	...	49 10·3	M
337		*Anon.*			
Mar. 6	9·6	7 26 39·32	5	129 45 7·9	M
338		*Anon.*			
Jan. 27	9·2	7 27 14·03	...	153 10 53·4	R

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865. h. m. s.	No. of Wires.	Mean Polar Distance 1865. ° ′ ″	Observer.
339		*Anon.*			
Feb. 25	8·0	7 27 58·21	...	129 42 51·9	R
340		*Anon.*			
Feb. 21	9·5	7 30 42·43	...	158 42 28·1	R
341		*Anon.*			
Feb. 22	9·0	7 31 6·87	6	131 10 41·3	R
Mar. 4	8·9	31 6·84	...	10 44·7	M
342		*Anon.*			
Feb. 28	8·1	7 31 56·52	...	129 44 0·7	M
Mar. 3	8·8	31 56·34	...	44 1·2	M
343		10 *Canis Minoris α, Procyon.*			
Jan. 12	...	7 32 14·11	...	84 25 55·3	M
13	...	32 13·95	...	25 55·2	M
14	...	32 14·05	...	25 55·6	M
Feb. 4	...	32 14·08	...	25 55·4	M
14	...	32 14·07	...	25 54·2	M
15	...	32 13·98	...	25 55·5	M
16	...	32 13·98	...	25 55·4	R
18	...	32 14·02	...	25 55·7	R
23	...	32 14·11	...	25 58·0	R
Mar. 1	...	32 14·10	3	25 56·1	M
344		*Lacaille* 2893.			
Feb. 20	7·0	7 32 45·83	...	121 49 34·5	R
345		*Anon.*			
Jan. 27	9·6	7 33 6·59	4	153 11 46·7	R
Mar. 9	9·1	33 6·61	...	11 46·7	M
346		*Anon.*			
Jan. 24	10·5	7 34 34·49	4	68 25 7·5	R
26	10·5	34 34·93	5	25 5·7	R
347		*S Geminorum Var.* 3			
Jan. 31	10·5	7 34 37·43	5	16 12 30·3	R
Feb. 17	10·5	34 37·60	4	12 31·2	R
348		*Anon.*			
Feb. 25	8·3	7 35 8·93	...	129 57 59·3	R
Mar. 6	8·1	35 8·71	5	58 0·1	M
349		*Anon.*			
Mar. 10	8·9	7 35 20·89	...	152 59 43·6	M
350		*Taylor* 3195			
Mar. 11	8·0	7 36 ~~34·66~~	...	150 19 13·8	M
351		*Anon.*			
Feb. 25	7·3	7 36 46·54	5	129 57 25·5	R
Mar. 2	7·7	36 46·26	...	57 26·0	M
352		78 *Geminorum β, Pollux.*			
Jan. 12	...	7 37 3·06	...	61 39 5·9	M
14	...	37 3·06	...	39 4·2	M
Feb. 3	...	37 3·04	...	39 3·8	M
4	...	37 3·06	...	39 4·5	M
15	...	37 3·22	...	39 3·5	M
18	...	37 3·02	...	39 4·2	R
23	...	37 3·08	...	39 4·6	R
24	...	37 3·02	...	39 3·8	R
Mar. 1	...	37 3·06	...	39 3·4	M
353		*Anon.*			
Jan. 21	10·3	7 37 24·80	3	68 29 51·7	R
354		*Anon.*			
Feb. 22	8·5	7 37 35·35	...	130 58 11·8	R
355		*Anon.*			
Feb. 21	7·7	7 37 48·71	5	128 53 1·6	R

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865. h. m. s.	No. of Wires.	Mean Polar Distance 1865. ° ′ ″	Observer.
356		*Anon.*			
Mar. 4	7·0	7 39 7·60	...	131 8 46·0	M
357		*Anon.*			
Jan. 13	8·8	7 41 19·39	...	151 34 38·6	R
Mar. 3	8·7	41 19·45	...	34 39·5	M
358		*Anon.*			
Feb. 28	8·5	7 42 4·81	...	153 4 30·7	M
359		*Lacaille* 3034.			
Feb. 18	8·0	7 44 5·60	...	153 51 48·5	R
360		*Anon.*			
Feb. 22	9·1	7 44 12·05	...	130 56 9·1	R
Mar. 6	8·9	44 11·88	...	56 10·7	M
361		*Brisbane* 1791.			
Feb. 20	7·8	7 46 19·90	6	144 24 46·4	R
362		*Anon.*			
Feb. 20	8·8	7 46 30·77	6	144 22 35·1	R
363		*Anon.*			
Mar. 4	8·5	7 47 6·87	...	153 20 55·8	M
364		*Anon.*			
Jan. 19	10·7	7 47 18·22	3	67 42 57·7	R
365		*Taylor* 3310.			
Feb. 23	9·0	7 48 33·67	5	149 18 2·8	R
366		*Anon.*			
Mar. 2	9·6	7 48 44·65	...	129 54 58·5	M
367		1 *Cancri.*			
Feb. 8	...	7 49 19·51	...	73 51 7·3	M
368		*Anon.*			
Mar. 11	7·1	7 49 30·25	...	152 35 4·5	M
369		*Anon.*			
Feb. 24	8·2	7 49 53·49	...	129 17 31·1	R
370		*Anon.*			
Feb. 21	7·7	7 49 56·67	...	149 8 37·3	R
371		*Anon.*			
Mar. 3	9·3	7 51 39·78	...	151 37 3·7	M
372		*Anon.*			
Feb. 3	8·0	7 52 1·97	4	148 22 34·7	M
Mar. 1	8·2	52 2·01	4	22 33·4	M
373		6 *Cancri.*			
Jan. 14	...	7 55 13·32	...	61 49 49·4	M
27	...	55 13·33	...	49 51·8	R
Feb. 18	...	55 13·42	...	49 49·6	R
23	...	55 13·31	...	49 50·1	R
25	...	55 13·36	...	49 49·9	R
28	...	55 13·26	...	49 49·3	M
Mar. 10	...	55 13·47	...	49 48·0	M
16	...	55 13·37	...	49 49·3	R
374		*Brisbane* 1855.			
Mar. 6	6·8	7 55 28·87	...	152 55 57·9	M
375		*Anon.*			
Mar. 7	9·2	7 57 40·48	...	156 24 20·2	M
376		*Lacaille* 3154.			
Mar. 3	5·5	7 58 37·88	...	153 11 39·8	M
9	5·7	58 37·78	5	11 40·8	M

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865. h. m. s.	No. of Wires.	Mean Polar Distance 1865. ° ′ ″	Observer.
377		*Anon.*			
Jan. 19	10·7	8 0 18·42	3	78 29 52·5	R
26	10·7	0 18·71	3	29 51·6	R
378		*Anon.*			
Mar. 4	8·9	8 1 23·81	...	150 31 32·3	M
379		*Lacaille* 3174.			
Mar. 1	7·9	8 1 26·22	...	155 38 5·5	M
11	8·0	1 26·29	...	38 6·5	M
380		15 *Argûs*.			
Feb. 21	...	8 1 47·67	...	113 55 2·9	R
24	...	1 47·75	...	55 2·1	R
25	...	1 47·81	...	55 2·6	R
Mar. 10	...	1 47·75	...	55 1·3	M
16	...	1 47·76	...	55 2.1	R
18	...	1 47·69	..	55 2·5	R
381		*Anon.*			
Feb. 23	9·0	8 2 14·12	...	128 39 37·1	R
382		16 *Cancri* 3			
Jan. 11	5·5	8 4 28·08	...	71 56 54·8	M
12	5·5	4 28·07	...	56 54·4	M
383		*Anon.*			
Mar. 2	9·7	8 4 33·28	...	154 40 44·2	M
384		*Anon.*			
Feb. 23	9·6	8 5 39·36	...	128 38 57·1	R
385		*Anon.*			
Mar. 20	8·0	8 6 5·87	5	128 40 43·6	R
386		*Anon.*			
Feb. 23	9·3	8 8 36·24	...	128 38 34·4	R
Mar. 20	9·3	8 36·08	5	38 35·6	R

Number and Date.	Magnitude.	Mean Right Ascension 1865. h. m. s.	No. of Wires.	Mean Polar Distance 1865. ° ′ ″	Observer.
387		*R Cancri Var.* 1.			
Jan. 25	7·5	8 9 7·06	...	77 51 44·3	R
Feb. 17	7·7	9 7·08	...	51 43·7	R
388		*Anon.*			
Jan. 24	9·2	8 9 27·79	5	74 16 13·5	R
389		*W. B. N. VIII.* 178.			
Jan. 24	9·6	8 9 58·75	4	74 16 26·2	R
390		*Anon.*			
Mar. 3	9·6	8 10 19·94	...	150 32 49·8	M
4	9·1	10 20·01	5	32 49·9	M
391		*Anon.*			
Mar. 6	9·3	8 10 27·32	...	151 26 28·7	M
392		*Anon.*			
Feb. 15	8·9	8 11 23·26	...	152 4 41·0	M
24	8·7	11 23·37	5	4 42·9	R
393		*Anon.*			
Mar. 11	8·5	8 13 22·82	...	131 41 24·8	M
394		*Anon.*			
Mar. 18	9·5	8 14 31·53	3	154 5 17·7	R
395		*Anon.*			
Mar. 9	8·1	8 14 52·01	...	142 17 7·0	M
23	8·2	14 52·07	...	17 6·0	R
396		*Lacaille* 3297.			
Jan. 31	8·0	8 15 1·97	5	153 59 1·4	R
Mar. 1	8·4	15 1·98	...	59 2·3	M

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865. h. m. s.	No. of Wires.	Mean Polar Distance 1865. ° ′ ″	Observer.
397		20 *Cancri* d^1			
Mar. 7	...	8 15 37·82	...	71 14 14·0	M
398		*Anon.*			
Feb. 22	9·5	8 16 29·04	...	77 81 59·3	R
399		*Anon.*			
Feb. 18	8·8	8 17 25·74	6	77 49 19·5	R
400		*Anon.*			
Mar. 4	9·7	8 17 59·48	5	154 22 53·9	M
22	...	17 59·82	3	22 54·9	R
401		*Anon.*			
Jan. 24	9·8	8 18 38·79	...	70 2 9·8	R
26	9·8	18 38·85	4	2 11·7	R
402		*Anon.*			
Mar. 8	9·7	8 18 47·77	...	151 0 56·2	M
21	9·6	18 48·10	5	0 55·5	R
403		*Taylor* 3599.			
Mar. 10	8·0	8 20 18·26	5	144 52 57·1	M
404		*W. B. N. VIII.* 459.			
Jan. 31	8·2	8 20 20·45	5	74 27 31·4	R
405		*Anon.*			
Jan. 27	9·0	8 21 5·05	5	153 18 20·1	R
406		29 *Cancri.*			
Jan. 11	6·0	8 21 5·14	...	75 20 43·2	M
12	6·0	21 5·30	...	20 41·7	M
Mar. 7	6·2	21 5·17	...	20 41·7	M
407		*Anon.*			
Mar. 11	8·0	8 21 32·27	5	181 41 47·0	M
23	8·0	21 32·20	...	41 46·6	R
408		*Taylor* 3620.			
Feb. 18	7·9	1 23 12·90	...	130 47 59·7	R
409		*Anon.*			
Mar. 24	8·3	8 23 34·49	...	128 38 46·5	R
410		33 *Cancri* η			
Feb. 17	...	8 24 53·85	...	69 6 11·9	R
21	...	24 53·91	5	6 11·7	R
22	...	24 53·87	...	6 11·3	R
24	...	24 53·83	...	6 10·4	R
27	...	24 53·87	...	6 11·5	R
28	...	24 53·85	...	6 10·2	R
Mar. 2	...	24 53·88	...	6 10·2	M
6	...	24 53·78	...	6 11·2	M
16	...	24 53·89	...	6 11·5	R
17	...	24 53·77	...	6 11·0	R
411		*Taylor* 3651.			
Mar. 25	7·8	8 25 41·92	5	130 3 32·7	R
412		*Taylor* 3652.			
Mar. 25	8·0	8 25 46·10	3	130 2 52·1	R
413		*Anon.*			
Jan. 30	9·0	8 28 42·39	...	75 19 20·6	R
Mar. 20	...	28 42·26	...	19 19·4	R
414		*W. B. N. VIII.* 684.			
Mar. 11	8·7	8 29 4·22	5	70 39 6·6	M
18	8·7	29 4·33	5	39 7·4	R
415		*Lacaille* 3430.			
Mar. 9	7·9	8 29 14·00	5	151 52 53·7	M
22	8·0	29 13·83	5	52 51·8	R
Apl. 1	7·9	29 13·72	4	52 52·7	M

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865. h. m. s.	No. of Wires.	Mean Polar Distance 1865. ° ′ ″	Observer.
416		*W. B. N. VIII.* 699.			
Mar. 18	9·0	8 29 34·37	4	70 39 49·9	R
417		*Anon.*			
Jan. 31	8·0	8 31 14·75	5	129 45 37·0	R
418		*Taylor* 3710.			
Feb. 17	8·0	8 31 26·01	5	141 21 17·5	R
419		*Anon.*			
Mar. 27	9·0	8 33 11·82	...	129 23 40·3	R
420		*Anon.*			
Mar. 4	8·6	8 34 9·35	...	154 20 37·7	M
21	9·0	34 9·41	...	20 34·5	R
Apl. 3	8·8	34 9·28	4	20 38·3	M
421		*Anon.*			
Jan. 31	7·8	8 34 41·72	...	129 46 25·1	R
422		*Lacaille* 3491.			
Jan. 12	7·9	8 36 2·46	5	152 22 2·7	M
423		*b Velorum.*			
Mar. 1	5·8	8 36 8·78	3	136 10 12·7	M
22	5·5	36 8·92	...	10 12·3	R
424		*Taylor* 3767.			
Feb. 18	7·2	8 36 21·27	...	149 50 28·7	R
425		47 *Cancri* δ			
Feb. 8	...	8 37 0·41	4	71 21 6·7	M
9	...	37 0·54	...	21 7·3	M
426		*Anon.*			
Mar. 18	9·2	8 37 18·16	5	136 8 45·3	R
25	9·3	37 18·15	5	8 46·3	R
427		*Anon.*			
Mar. 6	8·2	8 37 52·45	4	136 5 47·3	M
428		50 *Cancri* A^2			
Apl. 5	6·2	8 39 32·00	...	77 23 48·7	M
429		11 *Hydrae*, e			
Feb. 13	...	8 39 37·47	...	83 5 18·6	M
17	...	39 37·50	...	5 18·4	R
20	...	39 37·44	...	5 18·0	R
21	...	39 37·50	...	5 18·3	R
22	...	39 37·51	...	5 18·5	R
24	...	39 37·53	...	5 17·9	R
25	...	39 37·48	...	5 18·1	R
27	...	39 37·46	...	5 16·0	R
28	...	39 37·63	...	5 17·9	M
Mar. 2	...	39 37·40	...	5 17·3	M
3	...	39 37·50	...	5 19·0	M
7	...	39 37·43	...	5 17·9	M
9	...	39 37·48	...	5 18·5	M
10	...	39 37·43	...	5 17·8	M
16	...	39 37·47	...	5 17·6	R
17	...	39 37·39	...	5 17·4	R
20	...	39 37·47	...	5 17·6	R
430		*Anon.*			
Mar. 28	8·6	8 40 31·66	5	129 15 46·7	R
431		*Anon.*			
Mar 11	8·0	8 41 3·30	...	147 16 57·1	M
23	9·2	41 3·18	...	16 54·5	R
432		*Lacaille* 3534.			
Mar. 28	8·0	8 42 19·54	...	129 18 19·3	R
433		*Anon.*			
Mar. 22	9·3	8 42 57·67	...	136 10 43·5	R
Apl. 4	9·3	42 57·54	5	10 41·8	M

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865. h. m. s.	No. of Wires.	Mean Polar Distance 1865. ° ′ ″	Observer.
434		*Lacaille* 3573.			
Mar. 4	8·0	8 44 14·12	...	152 41 39·2	M
21	8·0	44 14·17	5	41 38·0	R
435		*Anon.*			
Mar. 25	9·0	8 45 49·98	...	86 27 25·5	R
436		*Anon.*			
Mar. 1	7·9	8 46 46·27	...	132 53 28·7	M
23	8·3	46 46·15	5	53 27·7	R
437		*Anon.*			
Mar. 22	8·0	8 46 58·08	...	136 6 15·5	R
27	8·3	46 57·92	...	6 15·9	R
438		*Anon.*			
Feb. 27	9·0	8 47 42·12	...	132 56 9·0	R
Mar. 23	9·2	47 42·21	4	56 6·9	R
439		*Anon.*			
Feb. 13	7·9	8 48 46·84	...	133 1 22·2	M
Mar. 29	8·0	48 46·72	5	1 22·1	R
Apl. 6	...	48 47·00	5	1 22·0	M
440		*T Cancri Var* 3.			
Feb. 16	8·7	8 48 57·18	...	69 38 12·7	R
Mar. 30	8·2	48 57·28	...	38 12·4	R
441		*Anon.*			
Feb. 21	8·0	8 49 15·68	5	132 54 32·8	R
442		*Anon.*			
Mar. 24	7·9	8 49 22·19	5	132 59 13·7	R
443		9 *Ursæ Majoris* ι			
Mar. 18	...	8 49 56·80	...	41 25 51·2	R
20	R	49 56·98	5	25 50·6	R

Number and Date.	Magnitude.	Mean Right Ascension 1865. h. m. s.	No. of Wires.	Mean Polar Distance 1865. ° ′ ″	Observer.
444		*Anon.*			
Feb. 27	7·8	8 50 17·50	5	132 57 9·3	R
Mar. 6	8·3	50 17·31	...	57 10·3	M
445		65 *Cancri* a			
Jan. 12	...	8 51 6·23	...	77 37 20·5	M
13	...	51 5·99	5	37 19·7	R
Feb. 8	...	51 6·27	...	37 19·5	M
Mar. 9	...	51 6·03	6	37 19·4	M
446		*Anon.*			
Mar. 11	9·7	8 51 23·37	5	147 ~~15 46·1~~	M
447		*Anon.*			
Apl. 7	9·3	8 31 56·95	...	137 24 54·8	M
448		*Anon.*			
Feb. 27	8·1	8 53 59·62	...	132 55 51·6	R
449		*Anon.*			
Mar. 27	8·9	8 54 11·62	4	142 41 23·0	R
450		*Anon.*			
Feb. 11	8·8	8 54 59·34	4	142 49 11·1	M
Mar. 30	8·3	54 59·51	4	49 12·5	R
451		*Anon.*			
Mar. 21	9·6	8 56 21·27	5	146 51 14·0	R
28	9·5	56 21·28	...	51 14·9	R
452		*Anon.*			
Feb. 17	8·1	8 56 38·97	...	146 46 17·0	R
24	8·0	56 39·08	...	46 17·8	R
Mar. 25	8·5	56 38·95	...	46 16·5	R
453		*Anon.*			
Feb. 23	8·7	8 56 41·19	6	146 55 57·9	R

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865. h. m. s.	No. of Wires.	Mean Polar Distance 1865. ° ′ ″	Observer.
454		*Anon.*			
Mar. 18	8·6	8 56 56·32	5	146 ~~33~~ 49·6	R
455		*Anon.*			
Feb. 17	9·2	8 58 7·30	4	146 49 57·5	R
Mar. 28	8·9	58 7·14	5	49 56·6	R
456		*Anon.*			
Mar. 7	9·0	8 58 11·10	...	146 18 37·9	M
457		76 *Cancri* κ.			
Jan. 12	...	9 0 25·98	...	78 47 29·0	M
13	...	0 25·93	5	47 26·7	R
458		*Anon.*			
Mar. 27	8·5	9 1 4·97	5	150 1 45·2	R
Apl. 10	8·0	1 5·21	5	1 46·9	M
459		*Anon.*			
Mar. 24	8·8	9 1 52·45	...	128 57 23·6	R
460		*Lacaille* 3705.			
Mar. 29	7·8	9 2 15·16	...	151 17 17·8	R
Apl. 1	7·4	2 15·28	..	17 19·2	M
461		*Anon.*			
Feb. 27	9·0	9 3 59·36	5	132 47 59·0	R
Mar. 22	9·0	3 59·36	4	47 59·0	R
462		*Anon.*			
Mar. 31	7·7	9 5 33·14	5	138 44 27·4	R
463		*Anon.*			
Jan. 14	9·0	9 6 32·85	5	138 41 46·0	M
464		82 *Cancri* π^2			
Mar. 9	6·0	9 7 46·49	...	74 30 2·8	M
465		*Lacaille* 3747.			
Feb. 6	8·5	9 7 46·69	...	150 24 5·1	M
466		*Anon.*			
Mar. 27	10·0	9 9 28·14	5	73 52 56·6	R
467		*Lacaille* 3774.			
Feb. 10	8·9	9 9 55·05	...	157 10 0·5	M
16	8·7	9 54·75	...	9 58·7	R
Mar. 25	8·7	9 54·98	...	9 58·9	R
468		*Cancri* 83.			
Feb. 11	...	9 11 26·61	5	71 43 27·8	M
20	...	11 26·56	...	43 28·8	R
22	...	11 26·61	...	43 29·0	R
27	...	11 26·48	...	43 27·0	R
Mar. 2	...	11 26·57	...	43 28·5	M
3	...	11 26·59	...	43 28·4	M
11	...	11 26·56	...	43 28·2	M
17	...	11 26·55	...	43 28·9	R
18	...	11 26·49	...	43 28·9	R
20	...	11 26·54	3	43 28·4	R
Apl. 1	...	11 26·63	...	43 28·8	M
4	...	11 26·65	3	43 28·2	M
469		*Anon.*			
Jan. 12	8·0	9 13 6·92	4	72 18 12·6	M
470		ι *Argûs.*			
Mar. 22	...	9 13 28·63	...	148 42 37·1	R
31	...	13 28·54	...	42 36·7	R
471		*Anon.*			
Mar. 24	9·0	9 15 17·47	...	143 48 55·2	R
472		*Anon.*			
Mar. 28	9·3	9 15 59·93	6	25 4 40·9	R
30	9·2	16 0·00	5	4 41·2	R

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865. h. m. s.	No. of Wires	Mean Polar Distance 1865. ° ′ ″	Observer.
492		*Anon.*			
Feb. 25	8·0	9 32 56·56	...	129 47 52·7	R
Mar. 6	8·5	32 56·45	...	47 51·4	M
493		14 *Leonis* o			
Jan. 13	...	9 33 56·52	...	79 29 43·1	R
14	...	33 56·45	...	29 43·7	M
494		*Lacaille* 3980.			
Feb. 14	8·8	9 34 32·36	...	148 34 2·4	M
18	8·0	34 32·33	...	34 2·6	R
495		*Anon.*			
Mar. 24	9·0	9 34 46·28	...	130 34 55·8	R
Apl. 3	8·6	34 46·40	...	34 57·7	M
496		*Taylor* 4280.			
Mar. 27	7·8	9 34 46·43	...	142 19 59·9	R
497		*Anon.*			
Feb. 16	8·0	9 34 53·34	5	151 56 49·9	R
17	8·0	34 53·51	5	56 49·7	R
Mar. 30	9·0	34 53·50	...	56 51·2	R
498		*Anon.*			
Feb. 16	8·0	9 35 35·43	5	151 56 40·8	R
17	8·0	35 35·64	5	56 40·8	R
Mar. 30	9·0	35 35·49	5	56 41·2	R
499		17 *Leonis* ϵ			
Feb. 11	...	9 38 11·06	...	65 36 21·5	M
22	...	38 10·94	...	36 22·4	R
Mar. 2	...	38 10·93	...	36 22·7	M
3	...	38 10·90	...	36 23·2	M
4	...	38 11·01	...	36 22·2	M
7	...	38 11·02	...	36 23·3	M
21	...	38 10·97	...	36 22·4	R
22	...	38 11·01	...	36 22·4	R
Mar. 23	...	9 38 10·99	...	65 36 22·1	R
25	...	38 11·00	...	36 22·1	R
28	...	38 11·00	...	36 22·3	R
Apl. 10	...	38 11·02	...	36 22·8	M
500		*Anon.*			
Apl. 5	5·8	9 39 2·69	...	82 40 11·9	M
6	5·8	39 2·76	...	40 12·5	M
501		*Anon.*			
Apl. 7	7·9	9 41 52·43	...	130 49 37·5	M
502		*Anon.*			
Mar. 27	9·0	9 43 29·04	...	143 57 8·5	R
Apl. 4	9·1	43 29·05	...	57 8·1	M
503		*Anon.*			
Mar. 24	8·2	9 43 36·67	...	143 46 10·7	R
504		*Anon.*			
Feb. 23	8·7	9 44 7·53	...	147 1 53·6	R
505		*Anon.*			
Feb. 25	9·1	9 44 59·56	...	129 47 38·3	R
Mar. 6	8·9	44 59·45	...	47 38·3	M
506		*Anon.*			
Mar. 28	9·0	9 45 58·50	...	129 3 9·4	R
507		*R. P. L.* 70.			
Mar. 23	...	9 46 28·85	3	5 26 4·7	R
508		*Anon.*			
Mar. 25	9·0	9 46 29·17	5	129 7 14·7	R
30	9·2	46 29·01	...	7 13·6	R
509		*Anon.*			
Mar. 29	9·3	9 48 35·65	...	152 7 57·8	R

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension. 1865. h. m. s.	No. of Wires.	Mean Polar Distance 1865. ° ′ ″	Observer.
510		*Anon*			
Mar. 24	9·0	9 50 49·86	...	145 39 29·6	R
27	8·8	50 49·67	5	39 31·0	R
511		29 *Leonis* π			
Jan. 13	...	9 53 4·70	5	81 18 35·5	R
Feb. 11	...	53 4·50	...	18 34·8	M
22	...	53 4·63	...	18 35·2	R
Mar. 1	...	53 4·63	...	18 35·1	M
7	...	53 4·78	...	18 35·0	M
9	...	53 4·66	...	18 37·2	M
11	...	53 4·57	...	18 34·7	M
18	...	53 4·49	...	18 35·2	M
21	...	53 4·63	...	18 34·3	R
22	...	53 4·64	...	18 35·5	R
31	...	53 4·61	...	18 34·9	R
Apl. 3	...	53 4·68	...	18 35·3	M
5	...	53 4·64	...	18 34·3	M
512		*Anon.*			
Mar. 29	9·1	9 53 54·93	...	152 7 4·2	R
513		*Anon.*			
Apl. 4	8·1	9 54 10·87	...	143 58 32·8	M
10	8·0	54 11·00	...	58 32·7	M
514		*Taylor* 4445.			
Mar. 28	8·0	19 54 45·18	...	147 28 57·6	R
515		*Anon.*			
Feb. 24	9 0	9 55 54·00	...	147 24 33·3	R
516		*Anon.*			
Feb. 16	9·7	9 56 1·14	5	127 57 43·1	R
Mar. 30	9·6	56 1·05	...	57 42·3	R
517		*Anon.*			
Feb. 16	8·9	9 57 9·78	4	129 56 55·5	R
Mar. 30	9·0	57 9·89	5	56 56·4	R
518		*Anon.*			
Apl. 7	9·0	9 57 50·00	5	145 33 21·5	M
519		*Taylor* 4476.			
Feb. 23	7·9	9 57 53·58	...	145 36 22·5	R
520		*Anon.*			
Apl. 4	8.7	9 58 11·24	5	143 54 26 0	M
521		*Taylor* 4484.			
Feb. 10	7·7	9 58 42·27	...	151 30 19·5	M
Mar. 24	7·8	58 42·26	...	30 16·8	R
Apl. 8	7·1	58 42·51	...	30 19·6	M
522		32 *Leonis* α, *Regulus.*			
Mar. 4	...	10 1 10·81	...	77 22 27·9	M
6	...	1 10·75	...	22 28·4	M
9	...	1 10·73	...	22 28·8	M
20	...	1 10·70	...	22 28·6	R
21	...	1 10·78	...	22 28·2	R
22	...	1 10·73	...	22 28·2	R
23	...	1 10·70	..	22 28·2	R
29	...	1 10·83	...	22 27·8	R
31	...	1 10·71	...	22 28·2	R
Apl. 5	...	1 10·88	...	22 28·5	M
6	...	1 10·87	..	22 28·4	M
523		*Anon.*			
Jan. 14	9·0	10 1 23·73	3	130 0 15·8	M
524		*Lacaille* 4164.			
Apl. 4	7 0	10 2 14·73	...	143 54 21·5	M
525		*Anon.*			
Feb. 27	9·3	10 2 49·36	5	129 57 52·6	R
Mar. 27	9·3	2 49·14	5	57 53·3	R
526		*Anon.*			
Mar. 13	8·1	10 5 16·28	3	140 30 3·4	M
Apl. 3	8·2	5 16·03	...	30 3·1	M

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865. h. m. s.	No. of Wires.	Mean Polar Distance 1865. ° ′ ″	Observer.
527		*Taylor* 4538.			
Apl. 10	7·1	10 6 12·04	..	129 19 44·6	M
528		*Anon.*			
Mar. 27	8·9	10 7 9·78	5	129 58 26·0	R
30	9·0	7 9·76	...	58 26·5	R
529		*Anon.*			
Mar. 28	9·2	10 9 3·84	5	139 52 0·4	R
530		*R. P. L.* 72, *s. p.*.			
Sep. 13	...	10 9 31·13	3	5 3 59·6	M
531		*Anon.*			
Apl. 7	7·1	10 9 53·80	3	145 34 42·2	M
532		*Anon.*			
Feb. 24	9·5	10 10 18·91	3	139 51 30·3	R
Mar. 28	9·2	10 18·56	4	51 28·3	R
533		41 *Leonis* γ^1			
Feb. 22	...	10 12 31·38	...	69 28 38·5	R
Mar. 4	...	12 31·43	...	28 37·3	M
7	...	12 31·44	...	28 38·4	M
27	...	12 31·51	...	28 38·7	R
29	...	12 31·47	...	28 38·0	R
30	...	12 31·52	..	28 38·4	R
Apl. 1	...	12 31·48	...	28 38·5	M
4	...	12 31·37	...	28 38·1	M
19	...	12 31·52	...	28 38·8	R
534		*Anon.*			
Feb 27	9·3	10 12 53·97	...	128 37 14·0	R
535		43 *Leonis.*			
Apl. 6	6·2	10 15 56·40	...	82 46 23·6	M
7	...	15 56·45	...	46 23·7	M
536		*Anon.*			
Apl. 10	7·0	10 16 14·35	5	129 16 33·6	M
537		*Taylor* 4653.			
Mar. 13	8·0	10 18 4·33	6	151 23 32·7	M
Apl. 3	8·0	18 3·97	5	23 31·5	M
538		*Anon.*			
Mar. 29	9·2	10 18 47·80	5	146 8 44·5	R
539		45 *Leonis.*			
Jan. 14	6·0	10 20 31·09	...	79 33 3·0	M
Feb. 10	6·0	20 31·04	...	33 3·3	M
540		*Anon.*			
Mar. 30	8·0	10 21 54·67	5	146 55 12·3	R
Apl. 20	8·3	21 54·68	5	55 12·7	R
541		*Anon.*			
Apl. 21	9·0	10 21 58·26	...	146 59 20·6	R
542		*Anon.*			
Apl. 22	9·9	10 23 25·13	5	76 5 36·7	R
543		47 *Leonis* ρ			
Jan. 14	...	10 25 42·05	...	80 0 0·5	M
Feb. 10	..	25 42·15	...	0 0·4	M
28	...	25 42·11	...	79 59 59·9	M
Mar. 9	..	25 42·10	...	80 0 0·1	M
25	...	25 42·01	...	0 0·1	R
27	...	25 42·04	...	79 59 59·8	R
29	...	25 42·09	...	80 0 0·9	R
31	...	25 42·02	...	79 59 59·6	R
Apl. 5	R	25 41·86	...	59 58·5	M
6	...	25 41·90		80 0 0·0	M
7	...	25 41·97	..	79 59 59·8	M
10	...	25 41·93	...	59 59·9	M
19	...	25 42·02	...	59 59·7	R
24	...	25 42·01	...	59 59·9	R

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865. h. m. s.	No. of Wires.	Mean Polar Distance. 1865. ° ′ ″	Observer.
544		*Anon.*			
May. 2	9·0	10 26 32·25	...	152 26 5·1	M
545		*p Carinae,*			
Mar. 13	...	10 27 13·98	5	150 59 32·2	M
Apl. 8	...	27 13·94	...	59 33·0	M
546		*Anon.*			
Apl. 3	9·5	10 28 6·91	3	150 50 14·1	M
547		*Taylor* 4769.			
Apl. 22	6·0	10 30 24·42	5	146 51 35·0	R
548		*Anon.*			
Apl. 4	8·7	10 31 6·24	3	151 9 56·6	M
May 3	..	31 6·09	5	9 56·5	M
549		*Anon.*			
Apl. 6	9·4	10 34 54·78	...	139 16 58·1	M
550		*Anon.*			
Apl. 10	8·5	10 35 5·34	...	149 5 59·4	M
551		*Taylor* 4824.			
Apl. 20	7·8	10 36 8·52	5	148 58 20·9	R
24	7·0	36 8·72	...	58 21·2	R
May 2	7·0	36 8·64	4	58 21·9	M
4	8·0	36 8·74	5	58 20·6	M
552		*Anon.*			
Apl. 3	9·4	10 36 33·61	3	150 47 34·8	M
553		*Anon.*			
Mar. 13	8·1	10 37 32·24	3	151 29 39·4	M
554		*Taylor* 4849.			
Apl. 22	6·6	10 38 41·64	...	149 24 37·0	R
26	7·0	38 41·85	...	24 36·0	R
555		*Taylor* 4850, *2nd.*			
Apl. 21	8·8	10 38 44·51	...	148 50 25·2	R
556		*Anon.*			
Apl. 8	9·0	10 39 5·28	...	148 34 31·8	M
557		*η Argûs Var.* 1.			
Mar. 31	...	10 39 49·80	...	148 58 33·3	R
Apl. 20	...	39 49·89	...	58 32·7	R
24	...	39 50·04	...	58 34·3	R
558		*Taylor* 4872.			
Apl. 4	8·0	10 41 7·08	5	151 13 53·3	M
559		*Anon.*			
Apl. 22	9·2	10 41 58·61	...	149 23 11·5	R
26	9·3	41 58·76	...	23 10·8	R
560		53 *Leonis l*			
Mar. 23	...	10 12 9·55	...	78 43 29·5	R
24	...	42 9·52	...	44 30·0	R
25	...	42 9·53	...	44 29·1	R
27	...	42 9·54	...	44 29·1	R
28	...	42 9·59	...	44 30·6	R
29	...	42 9·52	...	44 29·2	R
30	...	42 9·54	...	44 29·6	R
Apl. 1	...	42 9·43	...	44 29·8	M
3	...	42 9·52	...	44 29·4	M
19	...	42 9·55	5	44 29·4	R
25	...	42 9·48	...	44 28·7	R
561		*Taylor* 4915.			
Mar. 13	8·2	10 46 35·12	...	135 30 5·4	M
Apl. 6	7·0	46 35·12	...	30 5·5	M

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865. h. m. s.	No. of Wires.	Mean Polar Distance 1865. ° ′ ″	Observer.
562		*55 Leonis.*			
Mar. 10	6·3	10 48 45·74	...	88 32 38·6	M
11	...	48 45·59	...	32 39·1	M
563		*Anon.*			
Apl. 8	9·0	10 50 34·70	4	148 48 25·2	M
27	9·2	50 34·66	5	48 23·4	M
564		*Taylor* 4955.			
Apl. 5	7·1	10 50 43·20	...	147 19 57·6	M
565		*Anon.*			
Apl. 4	9·0	10 51 58·26	5	143 45 48·0	M
29	...	51 58·33	...	45 47·5	R
566		*Anon.*			
Mar. 24	9·0	10 52 21·55	5	143 36 35·9	R
567		*Anon.*			
Apl. 7	8·5	10 53 35·18	3	149 15 5 8	M
22	8·9	53 35·08	...	15 4·4	M
568		*59 Leonis c*			
Mar. 10	...	10 53 44·92	...	83 10 27·0	M
569		*Anon.*			
Mar. 13	8·5	10 53 49·89	3	135 32 8·2	M
Apl. 6	8·8	53 50·07	...	32 8·0	M
26	9·0	53 49·97	...	32 7·2	R
570		*50 Ursae Majoris α, Dubhe.*			
Mar. 21	R	10 55 22·11	5	27 31 15·3	R
22	R	55 22·27	5	31 15·0	R
31	R	55 22·23	4	31 15·2	R
Apl. 25	...	55 22·26	5	31 14·5	R
571		*Anon.*			
May 1	8·0	10 55 40·50	3	149 17 7·5	M

Number and Date.	Magnitude.	Mean Right Ascension 1865. h. m. s.	No. of Wires.	Mean Polar Distance 1865. ° ′ ″	Observer.
572		*Anon.*			
Mar. 18	9·3	10 57 2·01	5	145 32 46·3	R
Apl. 21	9·3	57 2·14	...	32 47·3	R
573		*63 Leonis χ*			
Mar. 24	...	10 58 3·12	...	81 56 6·3	R
27	R	58 3·10	6	56 5·1	R
28	...	58 3·03	...	56 5·3	R
30	...	58 3·10	...	56 6·4	R
Apl. 10	...	58 3·15	...	56 6·2	M
24	...	58 3·00	...	56 5·5	R
29	...	58 3·03	...	56 5·7	R
574		*Lacaille* 4595.			
May 2	8·0	10 59 24·68	...	148 59 12·1	M
9	8·0	59 24·38	5	59 10·1	M
575		*Lacaille* 4612.			
Mar. 13	8·5	11 0 57·36	...	154 46 54·1	M
576		*Anon.*			
Apl. 6	8·4	11 1 4·03	5	135 33 57·3	M
577		*67 Leonis.*			
Apl. 22	6·5	11 1 34·03	...	64 36 42·2	R
578		*Anon.*			
May 1	8·1	11 1 51·74	...	149 14 4·9	M
579		*Anon.*			
May 3	...	11 2 0·77	...	148 56 29·6	M
4	8·0	2 0·67	3	56 29·6	M
580		*Lalande* 21371.			
Mar. 23	8·0	11 3 33·52	...	77 58 0·0	R
581		*Lalande* 21416.			
Apl. 26	9·1	11 5 1·86	...	67 12 40·5	R

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865. h. m. s.	No. of Wires.	Mean Polar Distance 1865. ° ′ ″	Observer.
582		*Anon.*			
May 2	8·1	11 5 51·90	5	148 59 4·2	M
583		*Taylor* 5108.			
Mar. 10	5·9	11 6 49·42	5	149 35 3·9	M
584		69 *Leonis* p^5			
Feb. 11	5·0	11 6 50·87	...	89 20 9·7	M
585		68 *Leonis* δ			
Mar. 14	...	11 6 55·53	...	68 44 14·6	M
24	...	6 55·36	...	44 15·2	R
28	R	6 55·46	5	44 15·2	R
Apl. 25	...	6 55·49	...	44 14·6	R
29	...	6 55·41	...	44 14·9	R
586		*Anon.*			
Mar. 25	9·3	11 8 36·60	...	150 51 9·3	R
587		*Anon.*			
Apl. 21	8·7	11 9 47·15	5	147 15 18·7	R
588		74 *Leonis* φ			
Feb. 11	...	11 9 47·61	3	92 54 53·5	M
Apl. 8	...	9 47·89	...	54 52·7	M
589		*Anon.*			
May 2	8·5	11 10 28·25	3	148 56 9·4	M
590		*Anon.*			
Apl. 22	9·0	11 10 34·66	5	141 8 55·0	R
591		*Anon.*			
Apl. 28	8·3	11 11 10·92	...	127 38 41·8	R
592		12 *Crateris* δ			
Mar. 13	...	11 12 35·66	...	104 2 55·0	M
14	...	12 35·55	...	2 54·3	M
Apl. 1	...	12 35·49	...	2 55·2	M
3	...	12 35·44	...	2 55·2	M
24	...	12 35·69	...	2 53·9	R
29	...	12 35·69	5	2 54·0	R
593		*Anon.*			
May 3	7·7	11 12 51·47	...	129 32 27·0	M
594		*Anon.*			
Mar. 21	7·8	11 15 52·84	...	128 21 56·3	R
Apl. 20	8·0	15 52·70	...	21 55·2	R
595		*Lacaille* 4726.			
Mar. 18	8·2	11 16 7·99	...	145 51 48·3	R
Apl. 10	8·0	16 7·94	...	51 50·6	M
May 4	8·0	16 8·17	...	51 49·9	M
596		79 *Leonis.*			
Apl. 7	...	11 17 6·62	...	87 51 6·8	M
597		*Taylor* 5220.			
Mar. 25	8·0	11 19 3·43	...	131 55 51·1	R
May 1	8·0	19 3·51	...	55 52·6	R
598		*Anon.*			
Mar. 21	9·3	11 21 45·11	...	128 23 5·6	R
Apl. 20	9·5	21 45·07	...	23 6·9	R
599		*Taylor* 5245.			
May 1	8·7	11 22 5·88	5	131 56 8·1	M
5	8·5	22 5·84	5	56 7·7	M
600		*Anon.*			
Mar. 18	9·2	11 22 51·03	4	145 54 4·0	R

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865. h. m. s.	No. of Wires.	Mean Polar Distance 1865. ° ′ ″	Observer.
601		*O. A. N.* 11812.			
Apl. 22	9·0	11 23 12·69	...	22 58 4·3	R
29	9·3	23 12·93	5	58 5·3	R
602		*Anon.*			
Apl. 6	8·2	11 24 33·97	...	22 56 14·5	M
22	9·0	24 33·47	5	56 15·1	R
29	9·3	24 33·75	5	56 16·2	R
May. 3	8·0	24 33·93	5	56 13·8	M
603		*Anon.*			
May 4	9·1	11 25 23·80	5	128 27 8·0	M
604		*Anon.*			
Mar. 21	9·3	11 25 50·51	...	128 23 6·2	R
23	9·7	25 50·44	4	23 6·7	R
Apl. 21	9·2	25 50·45	...	23 6·4	R
605		*Anon.*			
Mar. 14	9·0	11 26 39·42	5	151 4 24·1	M
606		*Anon.*			
Mar. 21	9·2	11 28 22·79	5	128 20 27·6	R
Apl. 21	9·3	28 22·74	...	20 29·3	R
28	9·3	28 22·79	...	20 26·2	R
607		λ *Centauri.*			
Mar. 15	...	11 29 34·22	5	152 16 25·8	M
22	...	29 34·36	...	16 25·6	R
608		*Anon.*			
May 9	8·0	11 29 53·75	...	149 16 2·8	M
10	8·2	29 54·09	...	16 1·9	M
609		91 *Leonis* υ			
Feb. 11	...	11 30 2·08	...	90 4 44·5	M
Mar. 11	...	30 2·20	...	4 44·3	M
24	...	30 2·30	...	4 44·4	R
Mar. 29	R	11 30 2·14	...	90 4 42·4	R
May 2	...	30 2·17	...	4 44·6	M
5	...	30 2·26	...	4 44·2	M
8	...	30 2·08	...	4 43·8	M
610		*Anon.*			
Apl. 20	9·2	11 32 12·24	5	144 14 53·9	R
611		*Anon.*			
Apl. 4	8·0	11 33 10·21	...	144 14 57·1	M
5	8·3	33 10·44	5	14 56·8	M
20	8·2	33 10·21	5	14 55·3	R
612		*W. B. E. XI.* 571.			
Mar. 25	8·0	11 33 28·83	...	88 18 0·2	R
613		*Anon.*			
Apl. 6	7·0	11 34 23·38	...	144 21 3·3	M
May 3	...	34 23·23	3	21 1·9	M
4	7·9	34 23·52	4	21 1·4	M
614		*W. B. E. XI.* 597.			
Apl. 29	9·1	11 34 46·72	...	88 15 25·3	R
615		*Anon.*			
Apl. 28	9·0	11 38 45·08	...	129 34 22·3	R
616		*Anon.*			
Mar. 21	9·2	11 40 59·87	...	149 52 24·3	R
617		*Anon.*			
Mar. 23	9·0	11 41 15·38	...	129 32 26·1	R
Apl. 28	8·2	41 15·19	...	32 25·7	R

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865. h. m. s.	No. of Wires.	Mean Polar Distance 1865. ° ′ ″	Observer.
618		94 *Leonis* β.			
Mar. 14	...	11 42 10·26	...	74 40 24·2	M
Apl. 7	...	42 10·31	...	40 25·6	M
25	...	42 10·29	5	40 25·2	R
29	...	42 10·28	...	40 25·6	R
May. 1	...	42 10·28	...	40 26·2	M
2	...	42 10·29	...	40 25·5	M
8	...	42 10·35	5	40 24·7	M
10	...	42 10·43	...	40 26·5	M
619		*Taylor* 5421.			
Mar. 23	8·2	11 43 13·88	...	129 31 34·5	R
Apl. 11	7·7	43 13·96	4	31 35·4	M
28	7·0	43 13·82	5	31 33·8	R
620		5 *Virginis* β			
Mar. 11	...	11 43 39·68	...	87 28 29·6	M
Apl. 8	...	43 39·79	...	28 29·3	M
May 5	...	43 39·69	...	28 29·0	M
621		*Anon.*			
May 3	7·9	11 44 47·18	...	129 2 59·2	M
4	8·0	44 47·10	...	3 0·2	M
9	8·0	44 46·93	...	3 0·4	M
622		*Taylor* 5433.			
Mar. 23	8·4	11 44 54·57	5	129 33 25·1	R
623		*Groombridge* 1830.			
Apl. 21	6·6	11 45 11·23	...	51 18 50·1	R
624		*Anon.*			
Mar. 25	9·3	11 45 54·83	5	142 31 19·8	R
625		64 *Ursae Majoris* γ			
Apl. 3	R	11 46 43·48	6	35 33 18·0	M
626		*Lacaille* 4937.			
Apl. 12	7·1	11 48 18·29	5	152 31 43·0	M
627		*Anon.*			
Mar. 15	7·9	11 50 39·80	5	150 22 20·5	M
22	8·0	50 40·07	...	22 20·4	R
Apl. 5	8·0	50 40·06	5	22 21·6	M
May 1	7·9	50 40·14	...	22 22·1	M
628		*Lacaille* 4956.			
May 8	8·3	11 51 12·88	5	154 34 17·8	M
629		*Anon.*			
May 5	8·6	11 51 26·85	...	128 52 55·6	M
630		*Anon.*			
Apl. 21	9·5	11 52 42·47	5	154 38 40·3	R
631		*Anon.*			
May 2	9·6	11 53 53·12	3	129 36 12·2	M
632		*Anon.*			
May 9	9·0	11 56 26·46	...	128 30 16·9	M
633		*Taylor* 5534.			
Mar. 27	8·7	11 56 52·76	5	143 57 39·5	R
May 10	7·9	56 52·80	...	57 41·0	M
634		*Lacaille* 4995.			
Apl. 28	8·0	11 56 57·18	5	142 44 46·8	R
May 15	7·1	56 57·26	...	44 47·6	M
17	7·5	56 57·28	3	44 46·9	M
635		*Taylor* 5535.			
Mar. 25	8·1	11 57 6 82	...	70 25 51·0	R
28	8·0	57 6·61	...	25 50·2	R
Apl. 11	8·0	57 6·46	...	25 50·6	M
636		*R. P. L.* 89—*s.p.*			
Oct. 14	...	11 57 54·38	2	3 39 55·2	M

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865. h. m. s.	No. of Wires.	Mean Polar Distance 1865. ° ′ ″	Observer.
637		*Anon.*			
Mar. 30	9·0	11 59 4·37	5	128 28 5·8	R
638		*Anon.*			
Apl. 5	9·1	11 59 34·62	3	150 19 58·1	M
26	9·0	59 34·78	...	19 57·3	R
29	...	59 34·58	5	19 57·6	R
639		*Anon.*			
Mar. 15	8·6	12 1 10·79	...	150 21 47·6	M
Apl. 26	8·5	1 11·03	4	21 47·4	R
May 16	8·7	1 11·09	5	21 46·8	R
640		*Lacaille* 5041.			
Mar. 14	8·0	12 2 35·93	...	141 23 34·1	M
641		2 *Corvi* ε			
Apl. 7	...	12 3 11·01	...	111 52 9·0	M
12	...	3 11·05	...	52 8·6	M
20	...	3 11·13	...	52 7·9	R
May 1	...	3 11·21	5	52 9·2	M
2	...	3 11·14	...	52 9·0	M
3	...	3 11·07	...	52 7·4	M
4	...	3 10·86	...	52 7·3	M
5	...	3 11·18	...	52 9·2	M
642		*Anon.*			
Apl. 27	9·0	12 5 51·28	...	134 8 28·0	R
643		*Anon.*			
Mar. 15	8·7	12 5 59·16	...	150 19 23·7	M
Apl. 5	8·0	5 59·33	...	19 25·2	M
May 16	8·9	5 59·45	5	19 25·5	R
644		*Anon.*			
May 9	...	12 6 15·41	3	138 27 53·7	M

Number and Date.	Magnitude.	Mean Right Ascension. 1865. h. m. s.	No. of Wires.	Mean Polar Distance. 1865. ° ′ ″	Observer.
645		*Anon.*			
Mar. 28	9·2	12 8 53·34	...	144 20 34·1	R
Apl. 28	9·0	8 53·27	5	20 35·5	R
646		*Anon.*			
Apl. 5	8·1	12 11 55·17	5	150 23 12·7	M
647		*Taylor* 5648.			
Mar. 29	7·3	12 12 34·47	...	152 6 17·6	R
648		*R. P. L.* 92.			
May 8	...	12 12 53·55	3	2 48 48·3	M
15	...	12 53·83	3	48 49·2	M
649		15 *Virginis* η			
Mar. 13	...	12 12 59·97	...	80 55 0·0	M
31	R	12 59·89	6	54 58·5	R
Apl. 4	...	12 59·99	...	54 59·8	M
6	...	12 59·97	...	54 59·3	M
7	...	12 59·97	...	55 0·0	M
8	...	12 59·94	...	54 59·6	M
12	...	12 59·99	...	55 0·2	M
20	...	12 59·96	...	54 59·7	R
May 2	...	12 59·93	...	55 0·2	M
4	...	12 59·93	...	54 59·4	M
5	...	12 59·82	...	55 0·4	M
10	...	12 59·92	...	54 59·2	M
20	...	13 0·03	5	55 1·0	R
650		*Lacaille* 5119.			
May. 17	8·0	12 15 25·03	...	138 34 37·1	M
651		*Anon.*			
Mar. 14	8·0	12 15 55·30	...	141 40 15·8	M
15	8·0	15 55·19	...	40 14·8	M
652		*Anon.*			
May. 18	8·8	12 16 49·29	5	147 10 7·0	R

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865. h. m. s.	No. of Wires.	Mean Polar Distance 1865. ° ′ ″	Observer.
672		*Anon.*			
June 5	8·0	12 40 52·61	3	141 53 12·4	M
673		*Anon.*			
Mar. 15	8·2	12 41 43·17	5	141 49 53·8	M
674		*Anon.*			
May 25	9·4	12 42 6·67	3	147 16 47·5	R
675		*Anon.*			
May 25	8·8	12 42 27·91	5	147 19 5·5	R
676		*Anon.*			
May 27	9·3	12 42 50·78	...	142 52 17·4	R
677		*Anon.*			
Apl. 25	...	12 43 20·77	5	129 8 11·8	R
678		*U Virginis Var.* 3.			
Apl. 22	8·5	12 44 14·71	...	83 42 40·9	R
679		*Radcliffe* 2922.			
May 22	...	12 45 9·16	5	26 16 44·9	R
680		40 *Virginis* ψ			
Apl. 10	...	12 47 20·03	...	98 48 18·6	M
681		*R. P. L.* 99.			
Apl. 26	...	12 48 11·45	3	5 51 9·1	R
May 15	...	48 11·05	3	51 10·6	M
682		*Anon.*			
May 23	...	12 48 32·02	...	125 25 39·2	R
683		*Anon.*			
May 10	8·3	12 48 56·37	...	149 24 38·1	M
June 6	8·0	48 56·21	...	24 37·8	M
684		12 *Canum Venaticorum.*			
Apl. 11	...	12 49 42·32	...	50 57 7·6	M
12	...	49 42·45	...	57 7·0	M
20	...	49 42·37	...	57 7·2	R
21	...	49 42·37	5	57 8·4	R
22	...	49 42·38	...	57 8·2	R
27	...	49 42·41	...	57 6·9	R
28	...	49 42·35	...	57 6·9	R
May 3	...	49 42·43	...	57 6·2	M
4	...	49 42·39	...	57 7·0	M
9	...	49 42·58	...	57 6·9	M
22	...	49 42·41	5	57 7·0	R
29	...	49 42·42	...	57 8·6	R
685		*Anon.*			
May 25	9·5	12 51 13·39	5	127 5 24·6	R
686		*Anon.*			
May 17	8·6	12 53 20·21	5	143 40 51·4	M
687		*Anon.*			
May 31	...	12 53 28·87	5	135 44 47·0	R
688		*Anon.*			
May 23	9·0	12 55 6·17	5	124 23 22·0	R
689		*Anon.*			
May 25	9·0	12 57 2·57	...	123 25 31·7	R
27	9·0	57 2·45	...	25 30·7	R
690		*Anon.*			
Apl. 27	...	12 58 9·40	4	124 29 1·5	R

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865. h. m. s.	No. of Wires.	Mean Polar Distance 1865. ° ′ ″	Observer.
691		*Anon.*			
May 18	8·0	12 58 18·85	...	124 23 15·6	R
23	8·0	58 18·89	5	23 15·3	R
692		*Taylor* 6025.			
May 27	7·8	12 59 30·80	5	123 ~~24~~ 44·0	R
693		51 *Virginis θ*			
Mar. 13	...	13 2 57·79	...	94 49 3·9	M
14	...	2 57·63	...	49 3·6	M
15	...	2 57·71	...	49 3·9	M
Apl. 3	R	2 57·74	5	49 1·6	M
12	...	2 57·67	...	49 4·4	M
26	...	2 57·78	...	49 4·1	R
May 9	...	2 57·46	...	49 4·3	M
10	...	2 57·70	...	49 5·0	M
17	...	2 57·62	...	49 4·0	M
20	...	2 57·64	...	49 4·3	R
29	...	2 57·62	...	49 2·4	R
30	...	2 57·74	...	49 3·9	R
694		*Anon.*			
May 25	9·0	13 4 38·96	...	143 12 42·2	R
695		*Lacaille* 5434.			
June 1	8·3	13 6 1·59	...	152 51 53·6	M
696		*Anon.*			
Apl. 27	8·7	13 7 42·95	4	139 46 33·2	R
28	9·3	7 42·95	6	46 31·8	R
May 18	8·5	7 42·88	5	46 31·5	R
697		*Anon.*			
Apl. 27	9·2	13 8 9·51	5	139 46 3·8	R
May 18	9·3	8 9·68	4	46 4·0	R
698		*Anon.*			
Apl. 29	8·7	13 9 48·99	...	129 56 36·0	R

Number and Date.	Magnitude.	Mean Right Ascension 1865. h. m. s.	No. of Wires.	Mean Polar Distance 1865. ° ′ ″	Observer.
699		*Anon.*			
Apl. 22	7·8	13 12 56·30	...	122 56 54·3	R
June 5	7·7	12 56·42	...	56 54·1	M
700		*Lacaille* 5503.			
Apl. 25	8·0	13 14 12·31	...	125 24 10·8	R
May 10	7·9	14 12·41	..	24 12·4	M
701		*Taylor* 6148.			
May 26	7·0	13 14 15·04	...	128 8 38·3	R
702		*O. A. N.* 13563.			
May 25	...	13 15 26·64	4	27 53 32·4	R
703		*Anon.*			
May 26	9·5	13 17 10·43	5	128 9 45·4	R
704		67 *Virginis a, Spica.*			
Mar. 13	...	13 18 4·98	...	100 27 20·8	M
14	...	18 5·00	...	27 22·1	M
Apl. 10	...	18 5·06	...	27 21·2	M
11	...	18 4·96	...	27 21·3	M
21	...	18 5·01	...	27 24·7	R
22	...	18 5·04	...	27 22·0	R
27	...	18 5·07	...	27 21·1	R
28	...	18 4·94	...	27 20·8	R
May 1	...	18 5·11	...	27 21·9	M
3	...	18 4·99	5	27 20·0	M
8	...	18 4·93	...	27 21·1	M
17	...	18 4·99	...	27 21·0	M
20	...	18 4·93	...	27 21·6	R
29	...	18 5·04	...	27 20·1	R
30	...	18 5·01	...	27 21·7	R
June 7	...	18 4·89	8	27 19·8	M
14	...	18 5·04	...	27 23·1	M
705		*Anon.*			
June 6	8·2	13 19 5·02	5	143 27 5·4	M

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865. h. m. s.	No. of Wires	Mean Polar Distance 1865. ° ′ ″	Observer.
706		*Radcliffe* 3011.			
May 22	...	13 19 28·42	3	34 23 ~~47·6~~ 51·8	R
707		*R. P. L.* 103—*s.p.*			
Nov. 27	...	13 20 12·44	3	4 32 23·1	R
708		*R. Hydrae Var.* 1			
May 2	6·3	13 22 20·43	...	112 34 50 5	M
June 1	6·0	22 20·38	5	34 58·0	M
709		*Anon.*			
June 3	8·0	13 24 51·17	...	128 8 ~~53·1~~	M
710		*Anon.*			
May 23	...	13 24 52·95	...	134 9 25·7	R
711		*Anon.*			
May 26	8·0	13 25 34·95	5	128 10 35·7	R
712		76 *Virginis h.*			
Apl. 10	...	13 25 51·49	...	99 28 6·6	M
11	...	25 51·66	...	28 6·9	M
713		*S Virginis Var.* 6.			
June 8	7·1	13 25 57·21	...	96 30 0·2	M
714		*Anon.*			
May 18	8·0	13 26 41·54	3	131 35 30·0	R
715		79 *Virginis* 3			
Apl. 21	...	13 27 48·82	...	89 54 17·5	R
22	...	27 48·84	...	54 17·8	R
26	...	27 48·96	...	54 17·3	R
27	...	27 48·94	...	54 17·1	R
28	...	27 48·89	...	54 17·3	R
May 1	...	27 48·75	...	54 18·9	M
15	...	27 49·00	...	54 16·5	M
May 22	...	13 27 48·87	...	89 54 17·3	R
25	...	27 48·90	...	54 17·2	R
June 5	...	27 49·03	...	54 16·9	M
7	...	27 48·87	...	54 16·1	M
716		*Taylor* 7183.			
Apl. 25	7·0	13 28 27·28	5	131 43 28·4	R
29	7·7	28 27·40	...	43 27·8	R
June 6	7·0	28 27·17	4	43 27·7	M
717		*Lacaille* 5614.			
May 26	8·0	13 30 0·38	...	128 12 25·3	R
27	...	30 0·35	4	12 26·7	R
718		*Anon.*			
May 18	9·5	13 34 6·45	...	129 10 16·1	R
719		*Anon.*			
May 26	8·7	13 35 46·77	5	128 3 44·6	R
June 8	8·4	35 46·66	5	3 45·5	M
720		*Anon.*			
June 1	8·9	13 36 17·95	...	128 5 40·1	M
721		*Taylor* 6363.			
June 6	7·7	13 36 42·17	...	147 33 46·0	M
722		*Taylor* 6366.			
June 3	7·0	13 36 57·04	5	151 46 ~~21·1~~	M
723		*Lacaille* 5659.			
May 17	8·7	13 37 12·47	...	152 13 53·1	M
724		86 *Virginis.*			
Mar. 14	...	13 38 44·78	...	101 44 56·4	M
15	6·3	38 44·83	...	44 57·0	M

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension. 1865. h. m. s.	No. of Wires.	Mean Polar Distance 1865. ° ′ ″	Observer.
725		85 *Ursae Majoris* η			
May 25	...	13 42 13·02	...	40 0 42·7	R
30	...	42 12·98	...	0 43·3	R
June 7	...	42 13·14	...	0 42·5	M
726		89 *Virginis.*			
June 5	...	13 42 32·56	...	107 27 37·1	M
727		*Anon.*			
May 23	8·0	13 43 17·74	...	123 6 50·0	R
728		*Anon.*			
Apl. 25	...	13 43 27·70	...	123 13 22·7	R
May 8	8·5	43 27·37	...	13 24·6	M
729		*Anon.*			
May 26	8·0	13 44 18·58	...	127 57 2·1	R
June 6	8·6	44 18·69	...	57 1·9	M
730		*Anon.*			
May 5	8·6	13 45 45·80	...	122 54 51·0	M
731		*Lacaille* 5734.			
June 3	7·1	13 47 47·69	...	151 49 26·6	M
8	7·1	47 47·68	...	49 26·5	M
12	7·2	47 47·90	3	49 26·3	M
732		8 *Bootis* η			
Apl. 26	...	13 48 15·30	5	70 55 28·2	R
27	...	48 15·34	...	55 28·0	R
May 15	...	48 15·54	...	55 28·1	M
16	...	48 15·35	...	55 29·0	R
25	...	48 15·44	...	55 27·9	R
27	...	48 15·33	...	55 28·9	R
30	...	48 15·32	...	55 28·8	R
June 1	...	48 15·39	5	55 29·6	M
7	...	48 15·57	...	55 27·8	M
14	...	48 15·34	...	55 28·4	M

Number and Date.	Magnitude.	Mean Right Ascension 1865. h. m. s.	No. of Wires.	Mean Polar Distance 1865. ° ′ ″	Observer.
733		*Anon.*			
Apl. 21	8·0	13 50 15·04	5	123 44 2·8	R
734		*Anon.*			
May 8	8·5	13 52 18·55	...	151 30 55·0	M
735		*Anon.*			
May 26	9·5	13 52 29·67	...	128 1 43·2	R
736		*Anon.*			
June 6	8·8	13 53 11·46	...	135 41 8·5	M
737		β *Centauri.*			
May 22	...	13 54 19·57	...	149 43 12·5	R
738		93 *Virginis* τ			
May 11	...	13 54 46·64	...	87 48 2·4	M
16	...	54 46·64	...	48 3·5	R
23	...	54 46·59	...	48 1·6	R
25	...	54 46·59	...	48 2·4	R
June 1	...	54 46·58	...	48 1·8	M
7	...	54 46·71	5	48 2·2	M
739		94 *Virginis.*			
Mar. 14	...	13 59 8·73	5	98 14 45·7	M
740		*Lalande* 25896.			
May 5	7·4	13 59 56·90	5	67 11 12·5	M
741		*Taylor* 6570.			
Apl. 22	8·0	14 0 5·56	5	149 56 19·0	R
29	9·1	0 5·87	5	56 19·1	R
742		*Anon.*			
Apl. 28	9·3	14 0 26·14	5	150 51 ~~26·8~~	R

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right. Ascension 1865. h. m. s.	No. of Wires.	Mean Polar Distance 1865. ° ′ ″	Observer.
743		*Taylor* 6585.			
June 8	7·0	14 1 26·07	4	124 14 21·4	M
744		*Anon.*			
June 3	8·4	14 2 5·64	3	124 16 30·3	M
745		*R. P. L.* 108—*s.p.*			
Dec. 11	...	14 3 47·71	2	3 35 45·4	M
746		*Lacaille* 5844.			
May 11	7·5	14 5 9·08	...	151 4 25·9	M
25	8·0	5 8·94	...	4 24·6	R
747		*Taylor* 6616.			
June 6	5·9	14 5 34·40	3	146 27 7·5	M
12	...	5 34·59	5	27 7·9	M
748		98 *Virginis* κ			
May 8	...	14 5 41·74	...	99 38 38·2	M
9	...	5 41·70	...	38 37·9	M
749		16 *Bootis* α, *Arcturus.*			
Mar. 15	...	14 9 30·29	...	70 6 49·5	M
May 15	...	9 30·27	3	6 48·2	M
16	...	9 30·27	...	6 49·1	R
17	...	9 30·33	...	6 49·1	M
18	...	9 30·21	...	6 48·9	R
22	...	9 30·34	6	6 49·0	R
June 1	...	9 30·30	...	6 48·7	M
6	...	9 30·28	...	6 49·4	M
7	...	9 30·14	...	6 48·2	M
8	...	9 30·24	3	6 49·1	M
14	...	9 30·23	...	6 48·4	M
19	...	9 30·26	...	6 48·9	R
20	...	9 30·22	...	6 48·6	R

Number and Date.	Magnitude.	Mean Right Ascension 1865. h. m. s.	No. of Wires.	Mean Polar Distance 1865. ° ′ ″	Observer.
750		100 *Virginis* λ			
Apl. 11	...	14 11 48·55	...	102 44 53·8	M
12	...	11 48·54	5	44 53·9	M
May 8	...	11 48·42	...	44 53·3	M
751		*Anon.*			
June 3	7·7	14 14 30·75	...	150 46 22·9	M
5	7·8	14 30·99	3	46 22·8	M
752		*Anon.*			
May 11	8·5	14 14 37·72	3	122 36 3·2	M
753		2 *Librae.*			
Apl. 11	...	14 16 10·08	...	101 5 45·3	M
12	...	16 10·06	...	5 45·9	M
May 5	7·0	16 9·98	3	5 46·4	M
754		*Taylor* 6721.			
June 12	7·0	14 17 25·52	...	101 3 18·0	M
755		*S Bootis Var.* 2.			
June 20	9·2	14 18 21·54	...	35 34 27·9	R
756		*Anon.*			
May 23	8·2	14 20 1·25	...	127 9 9·2	R
29	...	20 1·34	...	9 10·2	R
757		*Lacaille* 5962.			
Apl. 29	7·8	14 22 46·12	5	129 47 1·8	R
758		*Anon.*			
Apl. 29	9·3	14 23 0·17	5	129 46 17·3	R
759		*O. A. N.* 14634.			
June 24	...	14 25 52·25	4	20 8 39·3	R

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865. h. m. s.	No. of Wires.	Mean Polar Distance. 1865. ° ′ ″	Observer.
760		25 *Bootis* ρ			
Mar. 15	...	14 26 0·60	...	59 2 4·9	M
May 11	...	26 0·65	...	2 4·9	M
15	...	26 0·48	...	2 4·7	M
16	...	26 0·68	...	2 5·5	R
17	...	26 0·68	...	2 5·1	M
18	...	26 0·62	...	2 4·9	R
31	...	26 0·57	...	2 6·0	R
June 1	...	26 0·66	...	2 4·9	M
3	...	26 0·66	...	2 4·1	M
5	...	26 0·70	...	2 4·6	M
6	...	26 0·69	...	2 4·9	M
8	...	26 0·66	...	2 5·2	M
14	...	26 0·69	...	2 5·0	M
19	...	26 0·58	...	2 3·9	R
23	...	26 0·57	...	2 4·6	M
761		*O. A. N.* 14652			
June 24	...	14 27 2·17	5	20 7 13·5	R
762		a^1 *Centauri*			
May 23	...	14 30 26·89	5	150 16 40·5	R
31	...	30 27·05	...	16 40·8	R
June 12	...	30 27·16	...	16 41·3	M
19	...	30 27·20	5	16 39·9	R
20	...	30 27·27	...	16 39·5	R
763		a^2 *Centauri.*			
May 25	...	14 30 27·28	...	150 16 32·3	R
June 23	...	30 27·56	...	16 33·5	R
764		*Lacaille* 6027.			
June 8	7·8	14 31 7·89	5	122 47 33·8	M
765		*Anon.*			
May 18	8·5	14 32 45·81	...	121 44 34·1	R
766		*Anon.*			
May 29	8·5	14 32 59·36	...	126 18 2·4	R
767		*Anon.*			
June 20	9·5	14 36 35·96	...	150 17 38·4	R

Number and Date.	Magnitude.	Mean Right Ascension 1865. h. m. s.	No. of Wires.	Mean Polar Distance 1865. ° ′ ″	Observer.
768		5 *Librae.*			
Mar. 15	...	14 38 31·36	...	104 53 17·5	M
June 6	...	38 31·25	...	53 18·1	M
769		36 *Bootis* ε, *Mirac.*			
May 11	...	14 39 5·40	...	62 21 19·1	M
18	...	39 5·48	5	21 18·9	R
22	...	39 5·42	...	21 18·1	R
23	...	39 5·37	...	21 18·3	R
25	...	39 5·46	...	21 19·1	R
27	...	39 5·50	...	21 18·5	R
31	...	39 5·54	...	21 17·3	R
June 3	...	39 5·46	...	21 18·1	M
12	...	39 5·26	...	21 18·7	M
19	...	39 5·43	...	21 19·0	R
23	...	39 5·53	...	21 17·8	R
770		*Anon.*			
May 17	7·7	14 39 24·24	5	124 9 53·0	M
June 1	7·9	39 24·21	...	9 53·9	M
771		*Anon.*			
May 29	...	14 40 28·41	5	127 3 59·7	R
772		*Brisbane* 5069.			
June 20	8·9	14 41 28·01	5	131 16 59·2	R
773		9 *Librae* a^2			
Mar. 15	...	14 43 24·83	...	105 28 43·7	M
May 9	...	43 24·73	...	28 43·7	M
10	...	43 24·66	...	28 44·3	M
13	...	43 24·67	3	28 43·9	M
23	...	43 24·88	5	28 43·1	R
26	...	43 24·87	...	28 42·4	R
June 3	...	43 24·79	...	28 43·0	M
8	...	43 24·80	...	28 43·4	M
19	...	43 24·90	...	28 43·0	R
23	...	43 24·83	3	28 44·8	R
29	...	43 24·82	4	28 41·8	R

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865. h. m. s.	No. of Wires	Mean Polar Distance 1865. ° ′ ″	Observer.
774		*Lalande* 27123.			
May 11	7·8	14 47 26·87	...	109 27 38·2	M
775		*Anon.*			
July 1	9·4	14 47 ~~36·06~~	3	150 41 ~~25·5~~	M
776		*Anon.*			
June 20	9·0	14 50 27·36	...	130 32 26·9	R
777		7 *Ursae Minoris* β *Var.* 1.			
June 19	...	14 51 8·20	3	15 17 32·6	R
778		*Taylor* 7017.			
May 11	7·0	14 57 10·02	3	150 36 13·0	M
13	7·5	57 9·69	5	36 13·3	M
779		*Anon.*			
May 29	8·5	14 57 46·28	5	131 30 58·6	R
780		43 *Bootis* ψ			
May 12	...	14 58 39·61	...	62 31 28·0	M
26	...	58 39·56	...	31 27·9	R
31	...	58 39·66	5	31 28·7	R
June 5	...	58 39·68	...	31 27·4	M
20	...	58 39·73	5	31 29·7	R
781		47 *Bootis* *h*			
May 30	...	15 0 57·56	...	41 19 35·1	R
782		*Taylor* 7079.			
June 8	6·9	15 3 23·79	...	123 7 30·1	M
783		*Anon.—2nd.*			
May 16	9·0	15 3 37·63	...	122 18 58·1	R
784		24 *Librae* i^1			
Apl. 12	...	15 4 31·68	5	109 16 43·9	M
May 10	...	4 31·84	...	16 43·4	M
785		*R. P. L.* 111.			
June 19	...	15 5 37·16	3	5 31 38·0	R
786		27 *Librae* β			
May 12	...	15 9 44·62	...	98 52 57·4	M
18	...	9 44·73	...	52 57·2	R
26	...	9 44·73	...	52 56·4	R
27	...	9 44·62	...	52 57·8	R
June 12	...	9 44·68	4	52 57·8	M
20	...	9 44·75	...	52 57·2	R
29	...	9 44·53	...	52 57·1	R
July 3	...	9 44·67	...	52 57·1	M
7	...	9 44·64	5	52 57·5	M
787		*Anon.*			
May 13	8·3	15 11 54·91	...	130 24 14·1	M
29	8·5	11 54·97	4	24 15·0	R
788		*Lacaille* 6354.			
May 16	9·0	15 15 4·43	...	124 15 23·5	R
789		*Anon.*			
May 26	9·2	15 17 8·01	...	103 3 54·4	R
790		*Lacaille* 6377.			
June 20	7·8	15 18 58·01	5	130 11 6·3	R
791		32 *Librae* 3^1			
Apl. 12	...	15 20 38·81	...	106 14 36·8	M
June 6	...	20 38.63	...	14 35·6	M
792		*W. B. E. XV.* 395.			
July 1	8·9	15 22 1·87	...	101 15 40·8	M

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865. h. m. s.	No. of Wires.	Mean Polar Distance 1865. ° ′ ″	Observer.
793		*R. P. L.* 114—*s.p.*			
Nov. 14	...	15 22 3·90	8	2 15 14·0	M
794		*Anon.*			
May 16	8·5	15 22 28·39	...	125 10 22·6	R
795		*Anon.*			
June 1	8·1	15 22 32·48	...	151 37 14·4	M
796		*W. B. E. XV.* 429.			
July 14	9·3	15 24 5·56	5	101 28 42·5	M
15	9·4	24 5·76	...	28 41·3	M
797		*Anon.*			
June 20	9·3	15 24 37·32	...	130 9 9·0	R
798		38 *Librae* γ			
June 6	...	15 27 58·37	3	104 20 13·0	M
799		*Anon.*			
May 18	8·2	15 28 45·48	...	126 35 35·3	R
800		5 *Coronae Borealis* α, *Alphèta.*			
May 12	...	15 28 58·37	...	62 49 44·4	M
13	...	28 58·27	...	49 45·6	M
June 8	...	28 58·33	...	49 44·1	M
12	...	28 58 45	...	49 44·7	M
20	...	28 58·25	...	49 44·9	R
July 8	...	28 58·33	...	49 44·4	M
7	...	28 58·33	...	49 44·6	M
801		*Anon.*			
May 16	8·8	15 30 13 88	5	129 33 39·7	R
802		*Anon.*			
May 22	9·7	15 32 22·40	5	116 36 50·3	R
803		*Anon.*			
May 18	9·5	15 33 39·68	4	126 35 24·1	R
804		*W. B. E. XV.* 645.			
June 1	8·2	15 34 26·08	4	102 19 27·3	M
805		*W. B. E. XV.* 675.			
June 3	8·8	15 35 59·74	5	102 41 38·7	M
806		24 *Serpentis* α			
May 12	...	15 37 37·20	...	83 8 50·8	M
13	...	37 37·25	...	8 50·9	M
31	...	37 37·18	6	8 50·6	R
June 29	...	37 37·24	4	8 50·9	R
July 1	...	37 37·15	...	8 50·3	M
807		*Lalande* 28787.			
June 6	...	15 42 9·00	5	92 49 6·2	M
808		*Lalande* 28970.			
June 3	8·0	15 48 0·68	...	70 49 14·7	M
809		7 *Scorpii* δ			
May 10	...	15 52 21·24	...	112 14 5·0	M
11	...	52 21·48	...	14 5·3	M
810		*W. B. E. XV*, 1047.			
May 29	8·0	15 55 59·39	...	91 16 20·2	R
811		8 *Scorpii* β^1			
May 10	...	15 57 35·40	...	109 25 59·9	M
June 6	...	57 35·36	...	25 59·9	M
July 1	...	57 35·45	...	25 59·2	M
12	...	57 35·40	...	25 59·1	M

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865. h. m. s.	No. of Wires.	Mean Polar Distance 1865. ° ′ ″	Observer.
812		*R. P. L.* 116—*s.p.*			
Oct. 7	...	16 4 30·56	3	4 18 55·2	M
Dec. 21	...	4 31·17	3	18 53·1	R
813		*W. B. E. XVI.* 83.			
July 14	8·0	16 6 6·00	...	102 41 14·8	M
814		1 *Ophiuchi* δ			
May 13	...	16 7 16·36	...	92 20 40·6	M
July 1	...	7 16·21	...	20 40·1	M
12	...	7 16·28	...	20 39·6	M
815		*Anon.*			
May 29	8·0	16 9 12·41	4	112 35 3·3	R
July 18	7·9	9 12·24	4	35 2·9	M
26	7·4	9 12·14	4	35 3·4	M
816		*Anon.*			
May 29	9·7	16 9 46·72	5	112 33 44·8	R
817		*O. A. S.* 15504.			
July 28	8·9	16 11 24·95	4	106 41 35·5	M
818		20 *Scorpii* σ			
June 8	...	16 12 59·31	5	115 15 56·5	M
819		*Anon.*			
July 22	9·4	16 15 49·00	3	152 17 11·8	M
820		*Anon.*			
May 29	9·2	16 18 3·44	...	129 30 44·4	R
821		21 *Scorpii* α, *Antares.*			
July 1	...	16 21 8.04	...	116 7 45·3	M
18	...	21 7·99	...	7 45·6	M
822		*Anon.*			
July 29	8·5	16 22 46·33	...	48 26 57·5	M
823		*Anon.*			
July 22	9·3	16 23 48·90	5	152 15 9·8	M
824		30 *Herculis* g *Var.* 5.			
July 14	6·2	16 24 12·33	...	47 49 11·0	M
15	6·1	24 12·50	...	49 10·9	M
825		*Anon.*			
June 19	9·2	16 26 28·30	5	130 55 0·1	R
826		*Anon.*			
July 22	9·2	16 28 27·91	3	152 16 53·0	M
827		*Anon.*			
June 19	9·3	16 29 19·30	...	130 54 1·2	R
828		α *Trianguli Australis.*			
July 24	...	16 34 24·34	5	158 46 28·5	M
829		*Anon.*			
July 27	8·0	16 34 41·30	3	134 7 9·8	M
830		40 *Herculis* ζ			
June 24	...	16 36 11·74	...	58 9 3·3	R
July 18	...	36 11·99	4	9 3·2	M
21	...	36 11·91	...	9 3·4	M
22	...	36 11·98	5	9 4·3	M
831		*Anon.*			
June 19	8·8	16 36 48·18	...	130 58 5·5	R
832		*O. A. S.* 15952.			
July 26	9·0	16 39 25·89	5	111 55 39·2	M

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865. h. m. s.	No. of Wires.	Mean Polar Distance 1865. ° ′ ″	Observer.
853		64 *Herculis α Var.* 1.			
June 24	...	17 8 29·47	5	75 27 12·4	R
July 12	...	8 29·59	3	27 12·7	M
14	...	8 29·46	3	27 13·0	M
15	...	8 29·56	...	27 12·6	M
21	...	8 29·51	...	27 12·1	M
22	...	8 29·50	...	27 12·9	M
24	...	8 29·46	...	27 12·5	M
Aug. 3	...	8 29·51	5	27 12·8	R
854		*Anon.*			
July 31	8·4	17 9 5·35	4	124 4 21·4	M
855		*Taylor* 8017.			
July 28	7·7	17 13 25·03	...	114 45 58·3	M
856		42 *Ophiuchi o*			
June 24	...	17 13 43·29	5	114 51 41·4	R
July 27	...	13 43·14	...	51 41·7	M
Aug. 3	...	13 43·10	...	51 42·6	R
857		*δ Arae—2nd.*			
July 26	7·0	17 18 54·95	3	150 33 59·1	M
29	7·0	18 55·08	...	33 59·5	M
858		*Anon.*			
June 20	9·2	17 21 17·42	...	130 45 42·7	R
859		*Brisbane* 6091.			
July 22	8·8	17 21 24·89	5	148 27 5·6	M
860		*Anon.*			
July 24	8·8	17 21 26·76	...	130 32 59·7	M
861		*Lacaille* 7315.			
July 28	7·0	17 22 12·66	...	130 55 53·1	M
862		*Anon.*			
July 26	9·1	17 27 4·13	3	150 35 41·3	M
863		*Anon.*			
June 20	8·0	17 28 8·24	...	130 43 30·5	R
July 31	8·0	28 8·23	...	43 31·1	M
864		55 *Ophiuchi α.*			
July 21	...	17 28 40·05	...	77 20 21·1	M
27	...	28 39·99	...	20 21·4	M
Aug. 2	...	28 40·00	...	20 22·2	R
5	...	28 40·04	...	20 21·7	R
865		55 *Serpentis ξ*			
May 12	...	17 29 51·22	2	105 18 37·1	M
13	...	29 51·41	...	18 37·5	M
June 8	...	29 51·49	...	18 37·5	M
Aug. 3	...	29 51·35	...	18 37·8	R
866		*Taylor* 8164.			
July 24	6·9	17 33 8·95	...	128 57 23·2	M
28	6·9	33 9·02	3	57 22·6	M
867		56 *Serpentis o.*			
May 13	...	17 33 49·69	...	102 47 57·4	M
868		*Anon.*			
July 22	9·0	17 34 16·80	3	128 57 31·1	M
869		*Lacaille* 7406.			
July 29	7·9	17 34 46·53	4	128 44 13·2	M
870		*Anon.*			
July 26	9·2	17 36 8·27	3	150 36 6·0	M
871		*Anon.*			
June 20	8·5	17 37 43·95	...	126 29 20·5	R

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865. h. m. s.	No. of Wires.	Mean Polar Distance 1865. ° ′ ″	Observer.
872		*Anon.*			
June 19	8·0	17 39 37·60	...	127 21 38·2	R
873		86 *Herculis* μ			
July 14	...	17 41 10·53	...	62 11 53·9	M
15	...	41 10·51	...	11 53·9	M
24	...	41 10·30	3	11 54·1	M
27	...	41 10·53	...	11 54·5	M
Aug. 2	...	41 10·48	...	11 55·0	R
5	...	41 10·46	...	11 54·9	R
11	...	41 10·45	...	11 56·1	R
874		*Anon.*			
July 31	8·5	17 42 8·92	5	118 27 24·5	M
875		*Anon.*			
July 22	8·0	17 43 24·85	...	128 36 13·8	M
28	8·3	43 24·92	...	36 13·1	M
876		*Anon.*			
July 26	8·8	17 50 46·67	3	152 7 33·1	M
877		*Lacaille* 7517.			
July 28	8·0	17 52 20·06	3	149 10 23·6	M
878		*Lacaille* 7518.			
July 24	7·7	17 52 48·71	3	149 12 15·4	M
27	7·8	52 48·47	5	12 16·0	M
879		33 *Draconis* γ, *Etanin.*			
Aug. 11	...	17 53 28·08	...	38 29 40·0	R
880		*Taylor* 8355.			
July 22	7·0	17 57 4·10	...	133 25 40·8	M
881		*Anon.*			
July 31	7·7	17 59 25·97	...	150 26 12·2	M
882		*Anon.*			
July 29	8·7	18 1 18·07	...	131 43 35·0	M
883		*Anon.*			
July 28	8·2	18 2 53·69	...	131 44 27·6	M
884		13 *Sagittarii* μ^1			
July 14	...	18 5 41·29	...	111 5 28·0	M
22	...	5 41·37	...	5 28·0	M
24	...	5 41·37	...	5 26·8	M
26	...	5 41·30	3	5 27·6	M
27	...	5 41·37	...	5 27·9	M
Aug. 2	...	5 41·41	4	5 27·4	R
11	...	5 41·37	...	5 28·5	R
885		*Lalande* 33818.			
July 26	8·0	18 15 4·75	...	101 55 21·6	M
28	8·1	15 4·66	...	55 21·3	M
31	8·0	15 4·78	...	55 22·9	M
886		*Lalande* 33845.			
July 27	6·8	18 15 38·91	...	102 4 39·8	M
29	5·9	15 38·87	...	4 38·4	M
Aug. 2	7·0	15 38·81	...	4 39·3	M
887		23 *Ursae Minoris* δ			
Aug. 11	...	18 15 53·36	3	3 23 46·6	R
Sep. 1	...	15 53·72	3	23 45·0	R
		23 *Ursae Minoris* δ—*s.p.*			
Jan. 17	...	18 15 53·67	1	3 23 47·2	R
27	...	15 53·64	3	23 43·5	R
Feb. 16	...	15 53·67	5	23 44·4	R
888		*Taylor* 8525.			
July 1	...	18 23 51·60	3	132 24 20·3	M
889		*Taylor* 8551.			
May 13	7·3	18 27 23·25	...	149 13 40·1	M

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865. h. m. s.	No. of Wires.	Mean Polar Distance 1865. ° ′ ″	Observer.
890		3 *Lyrae* α, *Vega*.			
July 29	...	18 32 22·09	..	51 20 26·8	M
31	...	32 22·06	...	20 26·0	M
Aug. 5	...	32 22·06	4	20 25·5	R
17	...	32 21·95	4	20 23·8	R
23	...	32 21·92	...	20 25·2	R
891		*Anon.*			
Aug. 2	9·0	18 34 43·07	...	136 44 54·6	M
892		*Lacaille* 7832.			
July 1	...	18 37 40·93	3	149 5 27·1	M
893		10 *Lyrae* β, *Var.* 1.			
Aug. 2	...	18 45 5·64	...	56 47 33·1	R
17	...	45 5·71	...	47 33·0	R
18	...	45 5·68	...	47 33·4	R
23	...	45 5·64	...	47 32·7	R
26	...	45 5·58	...	47 32.2	R
Sep. 5	...	45 5·79	..	47 33·2	M
8	...	45 5·72	5	47 31·8	M
894		32 *Sagittarii* ν^1			
May 13	...	18 46 1·11	5	112 54 28·3	M
895		37 *Sagittarii* ξ^2			
May 13	...	18 49 40·47	...	111 16 52·6	M
896		39 *Sagittarii* ο			
Sep. 1	...	18 56 35·28	5	111 56 9·3	R
897		*R. P. L.* 131—*s.p.*			
Mar. 2	...	18 58 33·$^{0.5}_{5.5}$	2	3 27 54·2	M
898		17 *Aquilae* ζ			
July 24	...	18 59 12·29	...	76 20 5·5	M
26	...	59 12·22	...	20 6·2	M
28	...	59 12·26	5	20 5·4	M
Aug. 18	...	18 59 12·17	...	76 20 6·5	R
23	...	59 12·23	5	20 6·2	R
25	...	59 12·24	...	20 5·3	R
26	...	59 12·23	...	20 6·0	R
Sep. 8	...	59 12·02	...	20 5 5	M
899		*Anon.*			
Aug. 2	8·5	19 9 25·86	...	129 47 3·0	R
900		*Anon.*			
Sep. 12	8·1	19 10 3·24	...	107 9 34·5	M
901		25 *Aquilae* ω			
July 26	...	19 11 28·73	...	78 38 44·4	M
28	...	11 28·67	...	38 43·9	M
29	...	11 28·67	...	38 44·1	M
Aug. 11	...	11 28·70	...	38 45·9	R
26	...	11 28·70	...	38 43·7	R
28	...	11 28·61	...	38 45·3	R
Sep. 11	...	11 28·71	...	38 45·0	M
902		*Anon.*			
Sep. 2	8·2	19 16 38·60	...	129 52 37·4	R
15	8·1	16 38·51	3	52 40·8	M
903		30 *Aquilae* δ			
July 26	...	19 18 41·33	...	87 9 7·2	M
28	...	18 41·42	...	9 7·4	M
31	...	18 41·40	...	9 7·7	M
Aug. 3	...	18 41·45	4	9 6·9	M
24	...	18 41·38	6	9 6·0	R
25	...	18 41·41	...	9 7·4	R
Sep. 1	...	18 41·34	...	9 6·3	R
13	...	18 41·31	...	9 7·3	M
904		*Taylor* 8950.			
Sep. 5	...	19 22 13·87	5	143 27 58·2	M
905		*Anon.*			
Sep. 2	8·5	19 25 0·13	...	129 55 47·4	R

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865. h. m. s.	No. of Wires.	Mean Polar Distance 1865. ° ′ ″	Observer.
906		51 *Sagittarii* h^1			
July 31	...	19 27 49·59	...	115 0 44·5	M
907		52 *Sagittarii* h^2			
Aug. 24	...	19 28 29·27	...	115 10 42·3	R
28	...	28 29·38	...	10 42·5	R
Sep. 1	...	28 29·28	...	10 42·7	R
8	...	28 29·29	...	10 43·4	M
15	...	28 29·25	...	10 42·7	M
908		55 *Sagittarii* e^2			
Sep. 1	...	19 34 47·60	...	106 26 15·4	R
2	...	34 47·59	...	26 13·1	R
909		50 *Aquilae* γ			
July. 28	...	19 39 50·31	...	79 42 48·5	M
Aug. 18	...	39 50·36	...	42 49·6	R
25	...	39 50·30	...	42 48·0	R
28	...	39 50·32	...	42 49·2	R
Sep. 5	...	39 50·29	...	42 49·9	M
910		*S Vulpeculae Var.* 3.			
Sep. 1	9·0	19 42 51·64	...	63 2 52·5	R
911		53 *Aquilae* α, *Altair.*			
July 29	...	19 44 11·68	...	81 29 8·6	M
31	...	44 11·66	...	29 10·4	M
Aug. 24	...	44 11·65	...	29 8·1	R
Sep. 2	...	44 11·71	...	29 7·8	R
5	...	44 11·62	...	29 9·7	M
11	...	44 11·72	...	29 9·0	M
912		60 *Aquilae* β			
Aug. 25	...	19 48 40·80	...	83 55 41·1	R
Sep. 1	...	48 40·79	...	55 41·5	R
12	...	48 40·70	...	55 41·8	M
913		*Anon.*			
Sep. 2	9·1	19 53 5·44	5	147 10 40·9	R
914		*Anon.*			
Aug. 24	...	19 55 41·11	5	151 51 30·7	R
915		*Taylor* 9208.			
Sep. 11	...	19 55 45·70	...	122 25 56·3	M
916		*Anon.*			
Aug. 28	8·0	19 56 50·81	...	130 21 24·7	R
Sep. 1	9·2	56 50·86	5	21 22·8	R
12	9·0	56 50·84	3	21 21·3	M
917		λ *Ursae Minoris—s.p.*			
Jan. 21	...	19 59 9·43	1	1 5 44·0	R
Feb. 22	...	59 9·07	1	5 44·3	R
918		*O. A. N.* 20046.			
Aug. 28	9·3	20 2 40·74	5	32 23 22·0	R
919		*R Capricorni Var.* 1.			
Sep. 28	9·7	20 3 44·00	5	104 39 54·0	R
920		*R Delphini Var.* 2.			
Sep. 29	9·7	20 8 24·18	4	80 19 7·6	R
921		*O. A. S.* 20356.			
Sep. 15	7·9	20 8 24·95	5	110 25 57·4	M
922		6 *Capricorni* a^2			
Aug. 8	...	20 10 33·60	...	102 57 39·9	R
Sep. 1	...	10 33·61	...	57 38·0	R
2	...	10 33·66	...	57 38·0	R
8	...	10 33·47	...	57 38·9	M
11	...	10 33·59	...	57 39·4	M
12	...	10 33·65	...	57 39·8	M
14	...	10 33·72	...	57 40·0	M
16	...	10 33·68	...	57 39·3	R

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865. h. m. s.	No. of Wires	Mean Polar Distance 1865. ° ′ ″	Observer.
923		*Anon.*			
Aug. 24	7·6	20 10 33·90	...	149 8 50·2	R
924		*Anon.*			
Aug. 28	8·0	20 11 18·74	5	106 16 33·2	R
925		*Lalande* 39095.			
July 28	8·4	20 14 44·33	...	106 15 18·3	M
Aug. 28	8·2	14 44·26	5	15 18·2	R
926		*α Pavonis.*			
Aug. 8	...	20 14 56·85	...	147 9 53·1	R
Sep. 16	...	14 56·79	4	9 51·4	R
927		*X Capricorni Var.* 7.			
Sep. 30	9·9	20 15 1·81	5	106 26 23·5	R
928		*Lalande* 39125.			
July 31	8·8	20 15 34·66	...	106 13 10·6	M
929		*Lacaille* 8441.			
Sep. 2	8·0	20 18 16·92	...	121 6 45·9	R
15	8·0	18 16·82	..	6 47·0	M
930		11 *Capricorni* ρ			
Sep. 11	...	20 21 9·27	...	108 15 28·0	M
12	...	21 9·36	...	15 26·1	M
14	...	21 9·22	...	15 27·1	M
16	...	21 9·31	...	15 26·9	R
21	...	21 9·34	5	15 26·3	R
931		*Anon.*			
Sep 1	...	20 23 46·14	5	86 1 59·3	R
932		*Lalande* 39525.			
Aug. 28	8·0	20 24 58·84	...	86 2 18·9	R
933		*Anon.*			
Sep. 2	9·3	20 27 16·98	5	121 5 40·2	R
934		*Anon.*			
Aug. 24	9·5	20 30 57·55	4	149 55 10·7	R
935		*S Capricorni Var.* 2.			
Aug. 28	9·0	20 34 0·83	...	109 32 10·1	R
936		*Anon.*			
Sep. 23	8·9	20 35 59·94	4	123 58 17·3	R
937		50 *Cygni α, Deneb.*			
Sep. 5	...	20 36 49·84	...	45 12 3·0	M
12	...	36 49·75	...	12 3·0	M
13	...	36 49·82	...	12 3·4	M
14	...	36 49·77	...	12 3·1	M
15	...	36 49·81	...	12 1·6	M
938		2 *Aquarii* ε			
Sep. 2	...	20 40 21·93	...	99 59 15·9	R
939		*W. B. E. XX.* 1024.			
Sep. 25	9·3	20 40 56·30	...	105 24 5·0	R
940		*Anon.*			
Sep. 22	10·5	20 41 12·02	5	105 18 5·8	R
941		*T Aquarii Var.* 4.			
Sep. 1	9·5	20 42 48·61	...	95 38 44·6	R
942		*Lacaille* 8571.			
Aug. 24	...	20 42 58·06	...	150 12 43·6	R
943		*Anon.*			
Aug. 28	9·7	20 43 40·63	...	124 57 56·2	R
Sep. 29	...	43 40·91	...	57 55·6	R

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension. 1865. h. m. s.	No. of Wires.	Mean Polar Distance 1865. ° ′ ″	Observer.
944		*Taylor* 9633.			
Sep. 11	7·2	20 44 37·34	5	101 56 33·1	M
Oct. 4	7·6	44 37·47	...	56 34·8	M
945		*Anon.*			
Sep. 23	...	20 47 40·96	...	149 1 3·4	R
946		32 *Vulpeculae.*			
Sep. 2	...	20 48 48·35	...	62 27 14·2	R
14	..	48 48·30	...	27 15·6	M
15	...	48 48·25	...	27 15·1	M
16	...	48 48·27	...	27 16·8	R
21	...	48 48·31	...	27 14·3	R
30	...	48 48·28	...	27 17·0	R
947		*Anon.*			
Sep. 22	9·7	20 50 45·82	4	148 45 39·4	R
948		~~*Lacaille* 8631~~.			
Sep. 28	9·2	20 51 39·93	..	126 37 48·3	R
29	...	51 40·28	5	37 49·6	R
949		*Lacaille* 8635.			
Aug. 28	8·0	20 52 22·60	5	126 34 50·1	R
Sep. 11	7·6	52 22·74	4	34 50·4	M
950		*Anon.*			
Sep. 25	9·5	20 54 1·91	...	142 59 0·6	R
951		*Taylor* 9772.			
Aug. 8	8·0	21 0 31·56	5	145 7 3·2	R
952		61 *Cygni 1st.*			
Sep. 21	...	21 0 50·69	...	51 54 45·0	R
25	...	0 50·76	...	54 47·7	R
29	...	0 50·69	5	54 47·4	R
953		*Anon.*			
Sep. 22	9·5	21 2 58·89	5	145 6 29·5	R
954		*Lacaille* 8712.			
Aug. 24	...	21 4 15·71	5	146 48 17·9	R
~~Oct. 9~~	~~8·4~~	~~4 16·20~~	~~5~~	~~48 18·3~~	M
10	8·0	4 15·87	...	48 18·3	M
955		64 *Cygni* 3			
Sep. 21	...	21 7 11·34	5	60 19 30·9	R
28	...	7 11·36	...	19 32·5	R
29	...	7 11·32	...	19 33·8	R
Oct. 2	...	7 11·49	...	19 32·9	M
3	...	7 11·39	...	19 32·1	M
956		*Anon.*			
Sep. 25	10·5	21 8 20·18	4	110 49 43·3	R
957		*Anon.*			
Aug. 28	9.7	21 11 4·97	5	129 31 41·9	R
Oct. 14	9·5	11 5·17	4	31 42·3	M
958		*Brisbane* 7012.			
Oct. 12	7·9	21 14 9·52	...	151 45 46·1	M
959		*T Capricorni Var* 3.			
Aug. 24	8·0	21 14 28.94	...	105 39 55·4	R
Sep. 23	9·5	14 28·77	5	39 56·6	R
960		*Anon.*			
Sep. 22	9·3	21 15 3·75	...	130 15 54·3	R
30	9·8	15 3·94	...	15 52·7	R
Oct. 4	9·3	15 3·85	...	15 52·7	M
961		5 *Cephei* α, *Alderamin.*			
Sep. 28	...	21 15 21·15	5	27 59 8·0	R
29	...	15 21·22	...	59 5·2	R

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right. Ascension 1865. h. m. s.	No. of Wires.	Mean Polar Distance 1865. ° ′ ″	Observer.
962		*Anon.*			
Oct. 13	9·3	21 18 38·91	...	153 52 19·1	M
963		*Taylor* 9931.			
Sep. 11	6·9	21 18 46·01	...	142 53 8·1	M
14	6·9	18 46·09	...	53 9·6	M
964		*Anon.*			
Sep. 25	9·2	21 20 10·09	...	150 47 36·0	R
Oct. 14	8·0	20 10·31	...	47 34·9	M
965		*Anon.*			
Sep. 2	9·5	21 23 1·29	...	110 7 12·0	R
22	9·8	23 0·98	6	7 15·7	R
966		22 *Aquarii* β			
Sep. 6	...	21 24 27·05	...	96 9 49·4	M
13	...	24 27·02	...	9 49·0	M
21	...	24 26·97	...	9 48·2	R
28	...	24 27·05	5	9 49·2	R
29	...	24 27·04	...	9 49·1	R
Oct. 2	...	24 27·01	5	9 50·5	M
3	...	24 27·02	...	9 49·6	M
967		*Anon.*			
Oct. 4	8·2	21 25 53·37	...	140 23 11·1	M
668		8 *Cephei* β			
Sep. 30	...	21 26 54·58	...	20 1 52·4	R
969		*Anon.*			
Sep. 23	9·0	21 29 32·90	4	134 2 16·0	R
970		*Anon.*			
Sep. 22	9·3	21 33 56·38	...	103 0 8·0	R
25	9·5	33 56·37	5	0 6·6	R
971		*Taylor* 10068.			
Oct. 4	7·6	21 34 24·78	4	134 6 27·0	M
972		*Taylor* 10065.			
Sep. 14	6·4	21 34 32·48	...	145 6 51·4	M
973		*Anon.*			
Oct. 10	9·0	21 34 45·65	...	134 0 11·5	M
974		*S Cephei Var.* 3.			
Sep. 23	8·2	21 36 50·48	3	11 59 2·5	R
Oct. 9	8·0	36 50·88	...	59 1·8	M
11	7·9	36 50·56	..	59 1·0	M
975		8 *Pegasi* ε			
Sep. 6	...	21 37 33·18	...	80 44 33·5	M
13	...	37 33·27	3	44 33·3	M
29	...	37 33·29	...	44 35·7	R
30	...	37 33·35	...	44 33·6	R
976		*μ Cephei Var.* 1.			
Oct. 2	6·4	21 39 22·67	5	31 50 19·5	M
977		*Anon.*			
Aug. 24	10·0	21 40 51·61	3	102 32 10·9	R
Sep. 23	...	40 51·92	5	32 9·7	R
25	10·0	40 51·94	5	32 7·2	R
978		*Taylor* 10126.			
Oct. 12	7·0	21 41 3·49	...	137 14 9·7	M
979		*Anon.*			
Oct. 4	9·1	21 42 56·67	...	132 31 9·2	M
980		16 *Pegasi.*			
Sep. 22	...	21 46 55·29	5	64 42 34·0	R
28	...	46 55·17	...	42 32·6	R
30	...	46 55·26	...	42 33·4	R

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Number and Date.	Magnitude.	Mean Right Ascension 1865. h. m. s.	No. of Wires.	Mean Polar Distance 1865. ° ′ ″	Observer.
981		*Lacaille* 8958.			
Sep. 6	7·5	21 47 16·56	...	135 53 3·5	M
11	7·5	47 16·53	...	53 3·7	M
Oct. 14	7·9	47 16·76	...	53 3·2	M
982		*Anon.*			
Oct. 10	9·0	21 47 38·80	...	133 12 13·8	M
11	9·0	47 38·77	...	12 13·6	M
983		*Taylor* 10190.			
Oct. 9	7·0	21 51 10·22	3	146 31 39·7	M
12	6·3	51 10·13	...	31 40·1	M
984		*Anon.*			
Sep. 22	9·3	21 52 50·47	4	136 37 55·9	R
985		*Anon.*			
Sep. 23	9·3	21 53 54·17	...	150 49 0·7	R
986		κ^2 *Indi.*			
Sep. 6	6·5	21 56 20·61	5	150 17 16·4	M
13	6·4	56 20·58	...	17 16·0	M
Oct. 3	6·6	56 20·78	...	17 16·5	M
11	6·1	56 20·53	...	17 16·7	M
987		*Anon.*			
Oct. 10	7·7	21 58 15·84	4	136 2 16·7	M
14	8·0	58 15·94	...	2 17·9	M
988		34 *Aquarii* α			
Sep. 22	...	21 58 50·89	...	90 58 29·6	R
25	...	58 50·85	...	58 29·1	R
Oct. 4	...	58 50·80	...	58 28·4	M
16	...	58 50·88	...	58 28·8	R
17	...	58 50·94	...	58 29·2	R
Nov. 1	...	58 50·98	...	58 29·1	M
989		α *Gruis.*			
Sep. 30	...	21 59 42·68	...	137 36 48·7	R
990		*Anon.*			
Sep. 23	9·3	22 3 22·69	...	101 8 37·1	R
Oct. 13	9·7	3 22·93	5	8 37·3	M
991		*Anon.*			
Sep. 23	8·5	22 5 27·46	...	101 5 29·5	R
25	9·0	5 27·53	5	5 32·0	R
Oct. 4	9·1	5 27·57	...	5 30·2	M
992		*W. B. E. XXII.* 98.			
Sep. 6	8·0	22 6 24·80	...	90 25 28·8	M
22	7·8	6 24·95	...	25 30·7	R
993		*Anon.*			
Oct. 11	8·0	22 9 12·06	...	146 27 1·5	M
12	8·9	9 12·07	...	27 1·2	M
994		43 *Aquarii* o			
Sep. 7	...	22 9 42·34	3	98 27 16·4	M
11	...	9 42·47	4	27 15·8	M
25	...	9 42·62	5	27 16·0	R
30	...	9 42·49	5	27 15·5	R
Oct. 2	...	9 42·44	5	27 17·4	M
9	...	9 42·50	...	27 15·7	M
16	...	9 42·47	...	27 15·7	R
17	...	9 42·40	...	27 16·5	R
18	...	9 42·44	...	27 16·1	R
Nov. 1	...	9 42·40	5	27 16·4	M
995		*Anon.*			
Oct. 10	7·5	22 12 31·18	...	150 37 32·3	M
14	7·9	12 31·13	...	37 32·4	M
996		*Anon.*			
Oct. 12	9·0	22 13 13·22	...	146 28 18·1	M
997		*Anon.*			
Sep. 6	8·7	22 15 23·74	3	82 47 7·5	M
28	8·8	15 23·96	...	47 7·0	R

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865. h. m. s.	No. of Wires	Mean Polar Distance 1865. ° ′ ″	Observer.
998		*Anon.*			
Oct. 16	10·2	22 16 2·54	3	82 42 16·1	R
999		*Anon.*			
Oct. 4	9·5	22 16 55·00	5	135 58 6·5	M
13	9·5	16 55·23	...	58 6·9	M
1000		*Anon.*			
Oct. 11	9·3	22 18 54·56	5	140 45 27·7	M
1001		55 *Aquarii* 3—*1st.*			
Nov. 1	...	22 21 52·66	...	90 42 34·8	M
1002		55 *Aquarii* 3—*2nd.*			
Oct. 9	...	22 21 52·94	3	90 42 38·3	M
12	...	21 52·81	...	42 38·5	M
Nov. 3	...	21 52·67	...	42 38·1	M
1003		*Anon.*			
Sep. 30	9·0	22 21 54·59	...	100 37 29·7	R
1004		57 *Aquarii* σ			
Aug. 8	5	22 23 30·01	5	101 23 6·2	R
Oct. 2	...	23 30·05	...	23 5·6	M
1005		*R. P. L.* 150.			
Sep. 13	...	22 23 35·27	3	4 34 23·8	M
Oct. 14	...	23 34·21	3	34 24·0	M
		R. P. L. 150.—*s.p.*			
Mar. 23	...	22 23 34·69	3	4 34 23·0	R
1006		*Anon.*			
Oct. 10	9·3	22 24 21·48	...	135 41 51·5	M
1007		*Anon.*			
Sep. 6	8·0	22 25 55·73	...	141 29 56·2	M
Oct. 18	...	25 55·97	...	29 56·8	R

Number and Date.	Magnitude.	Mean Right Ascension 1865. h. m. s.	No. of Wires.	Mean Polar Distance 1865. ° ′ ″	Observer.
1008		62 *Aquarii* η			
Sep. 5	...	22 28 25·08	...	90 48 45·6	M
7	...	28 25·05	5	48 45·1	M
22	...	28 24·96	...	48 46·6	R
23	...	28 25·11	...	48 45·7	R
25	...	28 25·02	...	48 46·0	R
Oct. 4	...	28 25·11	...	48 45·0	M
13	...	28 25·13	...	48 44·2	M
17	...	28 25·02	...	48 46·1	R
23	...	28 25·10	...	48 45·3	R
1009		*T Aquarii Var.* 3.			
Sep. 2	10·0	22 28 48·24	...	98 18 15·2	R
28	10·5	28 48·45	3	18 12·5	R
1010		*Lacaille* 9188.			
Sep. 30	7·0	22 29 57·42	4	130 33 24·6	R
1011		*Taylor* 10477.			
Oct. 11	6·3	22 32 11·34	5	148 7 30·5	M
Nov. 1	...	32 11·33	...	7 32·2	M
1012		*Anon.*			
Oct. 12	9·0	22 34 16·10	...	155 31 2·0	M
14	9·0	34 16·13	5	31 0·4	M
1013		42 *Pegasi* 3			
Sep. 6	...	22 34 43·84	...	79 52 22·7	M
7	...	34 43·72	...	52 21·9	M
22	...	34 43·67	...	52 22·3	R
23	...	34 43·70	...	52 20·0	R
Oct. 4	...	34 43·85	...	52 21·7	M
9	...	34 43·80	...	52 22·3	M
10	...	34 43·74	...	52 21·9	M
16	...	34 43·67	...	52 22·0	R
18	...	34 43·68	...	52 21·4	R
26	...	34 43·76	...	52 20·4	R
Nov. 3	...	34 43·74	...	52 22·1	M
1014		*Anon.*			
Oct. 27	9·1	22 36 34·00	...	130 26 38·8	R

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865. h.	m.	s.	No. of Wires.	Mean Polar Distance 1865. °	′	″	Observer.
1033		6 *Piscium* γ							
Sep. 26	...	23	10	10·06	5	87	27	19·1	R
28	...		10	9·97	...		27	18·4	R
Oct. 2	...		10	9·88	...		27	18·7	M
3	...		10	9·88	...		27	17·6	M
10	...		10	9·85	...		27	16·6	M
11	...		10	9·99	...		27	18·4	M
12	...		10	9·99	...		27	18·0	M
13	...		10	9·95	...		27	17·2	M
24	...		10	10·03	...		27	18·3	R
26	...		10	9·98	...		27	17·3	R
28	...		10	10.08	...		27	15·4	R
Nov. 3	...		10	9·81	...		27	17·7	M
1034		*Anon.*							
Oct. 16	9·7	23	11	9·53	...	127	25	15·5	R
27	9.9		11	9·40	5		25	15·4	R
1035		*Anon.*							
Oct. 16	9·5	23	12	16·57	3	127	24	33·1	R
27	9·7		12	16·44	5		24	32·7	R
1036		*Anon.*							
Sep. 26	9·0	23	15	20·49	...	130	45	56·6	R
Nov. 11	8·7		15	20·51	...		45	55·8	M
1037		*Taylor* 10748.							
Nov. 14	6·0	23	17	36·28	...	147	35	25·4	M
1038		8 *Piscium* κ							
Sep. 26	...	23	20	0·69	5	89	29	0·5	R
Oct. 2	...		20	0·69	...		29	0·5	M
3	...		20	0·79	...		29	0·0	M
10	...		20	0·77	...		28	59·9	M
11	...		20	0·71	...		29	0·5	M
12	...		20	0·68	...		28	58·6	M
13	...		20	0·58	...		28	59·1	M
14	...		20	0·72	...		29	0·4	M
24	...		20	0·61	...		29	0·5	R
25	...		20	0·67	...		28	59·1	R
Nov. 1	...		20	0·68	...		29	0·0	M
3	...		20	0·70	...		29	0·1	M
8	...		20	0·67	...		28	59·1	M

Number and Date.	Magnitude.	Mean Right Ascension 1865. h.	m	s.	No. of Wires.	Mean Polar Distance 1865. °	′	″	Observer.
1039		*Anon.*							
Nov. 13	7·9	23	20	48·61	...	88	51	22·2	M
15	7·8		20	48·61	...		51	22·0	M
1040		*Anon.*							
Oct. 27	9·6	23	21	6·58	5	137	27	25·8	R
1041		*Anon.*							
Sep. 29	9·0	23	23	40·77	...	148	57	16·1	R
Oct. 5	8·0		23	40·84	5		57	16·2	M
1042		*Anon.*							
Nov. 14	9·6	23	25	32·02	...	129	51	40·3	M
1043		*Taylor* 10804.							
Nov. 10	6·9	23	27	33·03	4	147	34	17·0	M
1044		*Anon.*							
Sep. 26	8.8	23	27	49·20	5	148	14	27·3	R
Oct. 27	8·5		27	49·28	...		14	27·0	R
1045		*Anon.*							
Sep. 22	8·7	23	29	52·93	...	148	54	59·1	R
Oct. 13	7·9		29	53·12	...		54	59·0	M
24	8·8		29	53·33	5		54	59 3	R
1046		*Anon.*							
Nov. 15	9·1	23	29	57·86	...	137	19	46·3	M
1047		*Anon.*							
Sep. 22	8·8	23	30	27·99	4	148	56	22·3	R
Oct. 24	8·8		30	28·41	5		56	23·0	R
1048		17 *Piscium* ε							
Sep. 5	...	23	33	0·37	...	85	6	19·2	M
6	...		33	0·41	...		6	19·3	M
26	...		33	0·38	...		6	19·6	R

Separate Results of Madras Meridian Circle Observations in 1865.

Number and Date.	Magnitude.	Mean Right Ascension 1865. h. m. s.	No. of Wires.	Mean Polar Distance 1865. ° ′ ″	Observer.
Oct. 9	...	23 33 0·29	...	85 6 19·5	M
14	...	33 0·31	...	6 19·6	M
16	...	33 0·38	...	6 19·3	R
23	...	33 0·43	...	6 18·3	R
25	...	33 0·38	...	6 18·7	R
27	...	33 0·34	...	6 18·7	R
31	...	33 0·42	...	6 19·6	R
Nov. 8	...	33 0·48	...	6 17·9	M
1049		*Lacaille* 9583.			
Oct. 18	...	23 38 53·88	...	128 43 33·1	R
1050		19 *Piscium*.			
Sep. 5	...	23 39 29·57	...	87 15 43·2	M
6	...	39 29·53	...	15 44·0	M
1051		*Anon.*			
Oct. 18	...	23 41 7·84	...	128 46 20·3	R
1052		δ *Sculptoris*.			
Oct. 5	...	23 41 53·38	...	118 52 37·3	M
25	...	41 53·44	...	52 37·0	R
27	...	41 53·35	6	52 36·4	R
Nov. 10	...	41 53·31	...	52 37·0	M
13	...	41 53·38	...	52 36·9	M
1053		*Anon.*			
Nov. 11	8·7	23 42 6·82	...	150 49 37·0	M
1054		*Lalande* 46650.			
Sep. 30	9·2	23 42 9·20	...	88 18 53·3	R
Oct. 2	9·2	42 9·14	...	18 53·5	M
24	9·2	42 9·08	...	18 53·7	R
Nov. 8	9·2	42 9·05	...	18 53·7	M
1055		*Anon.*			
Sep. 28	9·5	23 47 46·65	5	128 50 37·5	R
1056		*Anon.*			
Sep. 26	9·3	23 50 0·41	...	148 53 5·7	R
Oct. 27	8·8	50 0·41	5	53 4·5	R
1057		*Anon.*			
Oct. 5	8·8	23 51 48·58	...	152 20 18·6	M
1058		28 *Piscium* ω			
Oct. 3	...	23 52 22·78	...	83 53 3·0	M
4	...	52 22·73	...	53 2·4	M
9	...	26 22·79	...	53 2·9	M
10	...	52 22·80	...	53 3·8	M
11	...	52 22·87	...	53 3·6	M
12	...	52 22·73	...	53 2·4	M
28	...	52 22·80	...	53 3·3	R
31	...	52 22·80	...	53 4·7	R
Nov. 10	...	52 22·77	...	53 3·4	M
1059		*Lacaille* 9686.			
Sep. 30	7·0	23 53 35·67	...	143 50 56·2	R
1060		*Anon.*			
Sep. 22	9·5	23 56 1·49	...	130 16 41·6	R
Nov. 11	9·0	56 1·61	...	16 41·6	M
1061		*Anon.*			
Oct. 24	...	23 56 10·85	...	124 7 26·3	R
Nov. 8	8·0	56 10·78	5	7 25·9	M
1062		*Taylor* 10994.			
Sep. 26	9·0	23 57 50·35	...	147 35 41·2	R
Oct. 12	8·0	57 50·70	...	35 42·4	M
27	8·2	57 50·47	...	35 39·3	R
1063		*Lacaille* 9721.			
Sep. 25	6·5	23 59 18·90	...	139 49 34·1	R
Oct. 10	6·9	59 19·11	...	49 34·1	M

MEAN POSITIONS OF STARS

OBSERVED WITH THE

MADRAS MERIDIAN CIRCLE

IN THE YEAR

1865

REDUCED TO JANUARY 1, OF THAT YEAR.